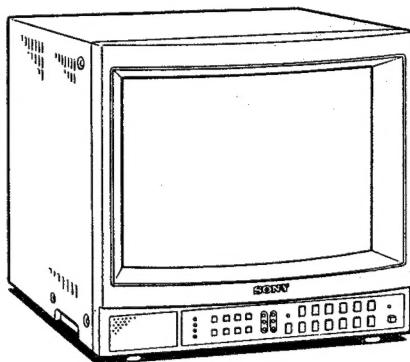


# PVM-1341/1342Q/1343MD

## SERVICE MANUAL

US Model

Canadian Model



PVM-1341

Chassis No. SCC-C27A-A

PVM-1342Q

Chassis No. SCC-C25A-A

PVM-1343MD

Chassis No. SCC-C28A-A

### SPECIFICATIONS

#### Video signal

Frequency response

Line input: More than 7 MHz (-3 dB)  
Y/C input: More than 8 MHz (-3 dB)  
Component (Y/R-Y/B-Y): More than 8 MHz  
(-3 dB)

R.G.B. (analog): More than 9 MHz (-3 dB)

Chrominance subcarrier attenuation

3.58 MHz: Less than -30 dB (comb filter)  
4.43 MHz: Less than -36 dB (trap filter)

Band pass

3.58 MHz: 2 MHz equiband

4.43 MHz: 2 MHz equiband

Chrominance/luminance

Time error  
Composite: Less than ±100 nS  
S.Video: Less than ±50 nS

Component: Less than ±50 nS

Aperture correction

-4.5 to +6.5 dB (at 4.5 MHz)

Synchronization AFC time constant: 1 msec

Line pull range

Horizontal: ±500 Hz

Vertical: 8 Hz

#### Picture performance

Normal scan 7% overscan of CRT effective screen area

Under scan 3% underscan of CRT effective screen area

H. linearity Less than 4%

V. linearity Less than 5%

Convergence Central area: 0.6 mm

Peripheral area: 0.8 mm

Raster size stability

H: 1.0%, V: 1.5%

High voltage regulation

3%

Audio output 0.6 W (Max.)

CRT PVM-1343MD/PVM-1342Q:  
SMPTE-C (American-standard-phosphor)

PVM-1341: P-22

Chromacity coordinates (SMPTE-C only)

	X	Y
Red	0.630	0.340
Green	0.310	0.595
Blue	0.155	0.070

(Tolerance ±0.01)

Color temperature

6,500°K/9,300°K (+8MPCD), selectable

AC regulation range

110 - 130 V AC, 50/60 Hz

Power consumption

Approx. 99 W

#### Inputs

VIDEO IN: BNC connector

AUDIO IN: phono jack

VTR: 8-pin connector

Y/C-INPUT

(-3 dB)

VIDEO: 4-pin DIN connector

AUDIO: phono jack

EXT SYNC: BNC connector

composite sync 1-4 Vp-p, negative, 75 ohms terminated  
automatically with no cable connected to the output

connector

ANALOG RGB: BNC connector

0.7 Vp-p, ±6 dB, non composite

75 ohms terminated automatically with no cable connected to

the output connector

DIGITAL RGB: 9-pin connector

CTRL S: Minijack

#### Outputs

VIDEO OUT: BNC connector

Loop-through

AUDIO OUT: Phono jack

Loop-through

EXT SYNC: BNC connector

Loop-through

ANALOG RGB: BNC connector

Loop-through

CTRL S: Minijack

Loop-through

#### General

Dimensions Approx. 346 × 340 × 412 mm (w/h/d)

(13 5/8" × 13 1/2" × 16 1/4" inches)

Weight Approx. 16.5 kg (36 lb 6 oz)

— Continued on next page —

TRINITRON® COLOR VIDEO MONITOR

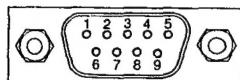
SONY®



# PVM-1341/1342Q/1343MD

## Pin assignment

DIGITAL RGB connector (9-pin)



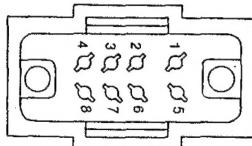
Pin No.	Signal	Signal level
1	GND (ground)	Ground
2	GND for the signal	Ground
3	Red input	Positive polarity (TTL level)
4	Green input	↑
5	Blue input	↓
6	Intensity	High state (open), Low state (ground), Positive polarity
7	NC (no connection)	—
8	H-SYNC (If V-SYNC is not input to the 9th pin, composite sync should be input to this pin.)	Positive or negative polarity (TTL level)
9	V-SYNC	Same polarity as H-SYNC (TTL level)

## Note

If the intensity function of Pin No. 6 is not used, set the internal switch on the Qd board to the B position, and connect the Pin No. 6 to the GND. With this setting, when the positive intensity signal synchronized to the characters on the screen is fed, the luminance of the characters will be increased.

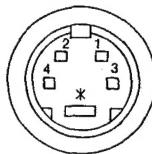
If the specific intensity function, such as that of an IBM microcomputer, is used, set the internal switch on the Qd board to the A position, and feed the intensity control signal to Pin No. 6.

VTR connector (8-pin)



Pin No.	Signal	Description
1	Audio input	-5 dBs, high input impedance (more than 47 kilohms)
2	Video input	Composite 1 Vp-p, sync negative, 75 ohms
3	GND	GND
4	NC	↔
5	GND	GND
6	GND	GND
7	GND	GND
8	GND	GND

Y/C (Y/C separate) INPUT connector (4-pin)



Pin No.	Signal	Description
1	Y-input	1 Vp-p, sync negative, 75 ohms
2	CHROMA sub-carrier-input	300 mVp-p, burst Delay time between Y and C: within 0±100 nsec., 75 ohms
3	GND for Y-input	Ground
4	GND for CHROMA-input	Ground
*	Slot for Internal switch	Press the switch inside this slot. The signal from Y/C-INPUT connector has priority over the one from VTR (8-pin) connector.

Design and specifications subject to change without notice.

## SAFETY CHECK-OUT (US Model Only)

After correcting the original service problem, perform the following safety checks before releasing the set to the customer:

1. Check the area of your repair for unsoldered or poorly-soldered connections. Check the entire board surface for solder splashes and bridges.
2. Check the interboard wiring to ensure that no wires are "pinched" or contact high-wattage resistors.
3. Check that all control knobs, shields, covers, ground straps, and mounting hardware have been replaced. Be absolutely certain that you have replaced all the insulators.
4. Look for unauthorized replacement parts, particularly transistors, that were installed during a previous repair. Point them out to the customer and recommend their replacement.
5. Look for parts which, though functioning, show obvious signs of deterioration. Point them out to the customer and recommend their replacement.
6. Check the line cord for cracks and abrasion. Recommend the replacement of any such line cord to the customer.
7. Check the condition of the monopole antenna (if any). Make sure the end is not broken off, and has the plastic cap on it. Point out the danger of impalement on a broken antenna to the customer, and recommend the antenna's replacement.
8. Check the B+ and HV to see they are at the values specified. Make sure your instruments are accurate; be suspicious of your HV meter if sets always have low HV.
9. Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

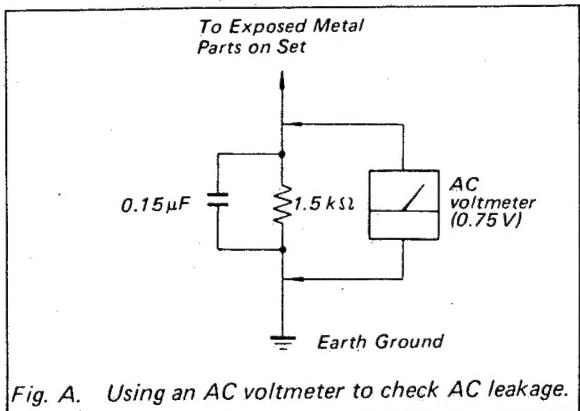


Fig. A. Using an AC voltmeter to check AC leakage.

### LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

### HOW TO FIND A GOOD EARTH GROUND

A cold-water pipe is guaranteed earth ground; the cover-plate retaining screw on most AC outlet boxes is also at earth ground. If the retaining screw is to be used as your earth-ground, verify that it is at ground by measuring the resistance between it and a cold-water pipe with an ohmmeter. The reading should be zero ohms. If a cold-water pipe is not accessible, connect a 60-100 watts trouble light (not a neon lamp) between the hot side of the receptacle and the retaining screw. Try both slots, if necessary, to locate the hot side of the line, the lamp should light at normal brilliance if the screw is at ground potential. (See Fig. B)

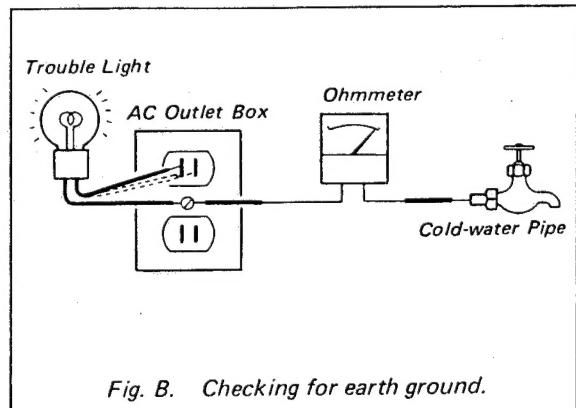


Fig. B. Checking for earth ground.

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## WARNING !!

AN ISOLATION TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.  
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

## SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY SHADING AND MARK  ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY. CIRCUIT ADJUSTMENTS THAT ARE CRITICAL TO SAFE OPERATION ARE IDENTIFIED IN THIS MANUAL. FOLLOW THESE PROCEDURES WHENEVER CRITICAL COMPONENTS ARE REPLACED OR IMPROPER OPERATION IS SUSPECTED.

PVM-1343MD ONLY

## Notes on Leakage Current Measurement

This measurement should be done only by B.E.D. (Biomedical Engineering Department) technician in a hospital.

Leakage current of this model should be measured in accordance with UL 544, Item 27. Important points in leakage current measurement are given below. For further information, refer to UL 544 of UL standards.

- This model is for patient care equipment which corresponds to UL 544.
- For measurement, use the SA 1116 input circuit described in paragraph 27.5 of UL 544.
- The measurement procedure is described in paragraphs 27.5-27.13 of UL 544.
- When leakage current is measured, the waveform of the current must be sinusoidal and must not contain high frequency components (above 1 kHz). In order to check this, connect an oscilloscope to both ends of the input circuit connected to the equipment, and observe the waveform.
- A) If high frequency components (above 1 kHz) of a clear level are found, refer to paragraph 27.5 of UL 544.
- B) If high frequency components (above 1 kHz) of an unclear level are found, pull out the F-5 connector on the F printed wiring board.

## ATTENTION!!

AFIN D'EVITER TOUT RISQUE D'ELECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ÊTRE UTILISÉ LORS DE TOUT DÉPANNAGE.  
LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDE À L'ALIMENTATION SECTEUR.

## ATTENTION AUX COMPOSANTS RELATIFS À LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE TRAME ET PAR UNE MARQUE  SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIÈCES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU Fonctionnement. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDiqué DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY. LES RÉGLAGES DE CIRCUIT DONT L'IMPORTANCE EST CRITIQUE POUR LA SÉCURITÉ DU Fonctionnement SONT IDENTIFIÉS DANS LE PRÉSENT MANUEL. SUIVRE CES PROCÉDURES LORS DE CHAQUE REMPLACEMENT DE COMPOSANTS CRITIQUES, OU LORSQU'UN MAUVAIS Fonctionnement EST SUSPECTÉ.

# SECTION 1

## GENERAL

### 1-1. FEATURES

This chart shows the various features which your model has (indicated as "Yes").

Features	PVM-1343MD	PVM-1342Q	PVM-1341
Automatic white balance circuit	Yes	Yes	Yes
SMPTE-C phosphor	Yes	No	No
Black-tinted Trinitron tube	No	No	Yes
Super Fine Pitch Trinitron picture tube	Yes	Yes	No
Analog RGB input/output	Yes	Yes	Yes
Y/C input (4-pin DIN)	Yes	Yes	Yes
VTR Input (8-pin)	Yes	Yes	Yes
Control S input/output	Yes	Yes	Yes
Automatic termination of BNC-type input connectors	Yes	Yes	Yes
Color systems available	PAL, SECAM, NTSC3.58 NTSC4.43	NTSC3.58 only	
Colorpure filter	Yes	Yes	Yes
Blue only mode	Yes	Yes	Yes
Underscan mode	Yes	Yes	Yes
Horizontal/vertical delay mode	Yes	Yes	Yes
External sync input	Yes	Yes	Yes
Color temperature selector	Yes	Yes	Yes
Light-touch picture adjustment buttons	Yes	Yes	Yes
EIA standard 19-inch rack mounting	Yes	Yes	Yes
Digital RGB input (9-pin)	Yes	Yes	Yes

**Automatic white balance circuit**  
The automatic white balance circuit compensates for the beam distortion, secular distortion of the cathode-ray tube, etc., and always reproduces the same white display on the screen. This allows an extended use of the monitor.

#### Super Fine Pitch Trinitron picture tube (PVM-1343MD/PVM-1342Q only)

The Super Fine Pitch Trinitron picture tube (0.25 mm aperture grill) gives high resolution picture. Horizontal resolution is more than 600 TV lines at the center of the picture. When used as a character display, up to 2,000 characters (80 characters/line × 25 lines) can be displayed with great clarity.

#### Analog RGB connector

Analog RGB signal of a video equipment can be input through this connector.

#### Y/C input connector

The video signal split into the chrominance signal (C) and the luminance signal (Y) can be input through this connector, eliminating the interference between the two signals which tends to occur in a composite video signal and assuring the video quality.

#### VTR Input connector

When connected to a VCR having the 8-bit TV connector, video and audio signals can be fed through this connector with a single cable.

#### Control S connector

When this connector is connected to the "control S" output of other equipment, the remote controls of the aperture, brightness, chroma, phase, contrast and volume settings are possible.

#### External sync input

The BNC-type input connector is terminated at 75 ohms inside, when no cable is connected to the output connector. When the cable is connected to the output connector, the 75-ohm termination is automatically released, and the signal input to the corresponding IN connector is output from the output connector.

#### Automatic termination of BNC-type input connector

By using an optional MB-502A mounting bracket, the monitor can be mounted in an EIA standard 19-inch rack. An optional SLR-102 slide rail is also available. For details on mounting,

see the appropriate instruction manual.

#### Four color systems available

(PVM-1343MD/PVM-1342Q only)  
The monitor can display PAL, SECAM, NTSC3.58 and NTSC4.43\* signals. The appropriate color system is selected automatically.  
\* A signal of NTSC4.43 is obtained by playing back NTSC-recorded video cassettes with a video tape recorder/player especially designed for use with this system.

**Colorpure Filter**  
When NTSC video signals are received, a colorpure filter activates to increase the resolution about 35%, resulting in fine picture detail without color spill or color noise.

#### Blue only mode

In the blue only mode, an apparent monochrome display is obtained with all three cathodes driven with a blue signal. This facilitates color saturation and phase adjustments and observation of VCR noise.

#### Underscan mode

The signal normally scanned outside of the screen can be monitored in the underscan mode.

#### Horizontal/vertical delay mode

The horizontal and vertical sync signals can be checked simultaneously in the H/V delay mode.

#### External sync input

When the EXTERNAL SYNC (or ANALOG/DIGITAL EXTERNAL SYNC) button is depressed, the monitor can be operated on the sync signal supplied from an external sync generator.

#### Color temperature selector

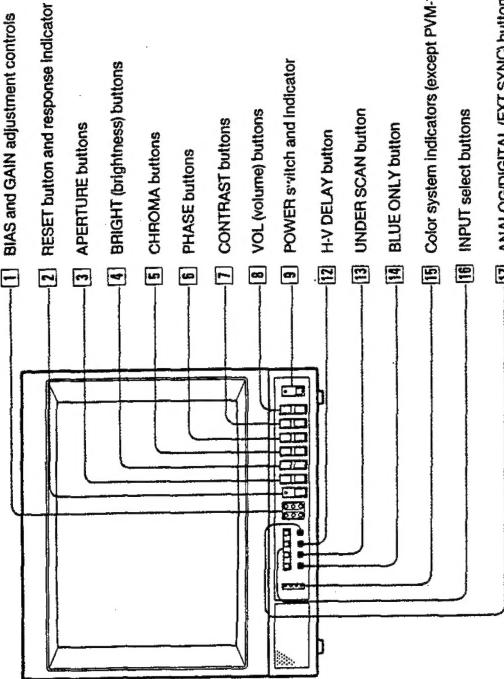
Color temperature of either 9,300°K or 6,500°K is selectable with the COLOR TEMP selector. For precise adjustment, use the BIAS and GAIN adjustment controls (except PVM-1340). The aperture, brightness, chroma, phase, contrast and volume buttons can be adjusted by touching the buttons lightly. The adjusted settings will be stored in memory even when the monitor is turned off.

#### Light-touch picture adjustment buttons

The aperture, brightness, chroma, phase, contrast and volume buttons can be adjusted by touching the buttons lightly. The adjusted settings will be stored in memory even when the monitor is turned off.

## 1.2. LOCATION AND FUNCTION OF PARTS AND CONTROLS

**Front panel**



**[1] BIAS and GAIN adjustment controls**

Used for white balance adjustment.

Gain and BIAS controls are provided for the R (red), G (green) and B (blue) screens.

**BIAS:** Adjust the white balance and brightness of the screen at the lowlight with these controls.

**GAIN:** Adjust the white balance and contrast of the screen at the highlight with these controls.

**[2] H-V DELAY button**

Depress to observe the horizontal and vertical sync signals at the same time.

The horizontal sync signal is displayed in the left quarter of the screen; the vertical signal is displayed near the center of the screen.

**[3] UNDER SCAN button**

Depress for underscanning. The display size is reduced by approximately 3% so that four corners of the raster are visible.

**[4] BLUE ONLY button**

Depress to turn off the red and green signals. A blue signal is displayed as an apparent monochrome picture on the screen. This facilitates "chroma" and "phase" control adjustments and observation of VCR noise.

\*"Phase" control adjustment is effective only for the NTSC signals.

**[5] Color system Indicators**

The indicator of the color system being received lights up in red.

**[6] INPUT select buttons**

Press to return the PHASE, CHROMA, BRIGHT and APERTURE control settings to the factory set levels. The response indicator flashes when the above buttons or the RESET button is pressed.

**[7] APERTURE buttons**

Press + for more sharpness or - for less.

**[8] BRIGHT (brightness) buttons**

Press + for more brightness or - for less.

**[9] CHROMA buttons**

Press + for more color intensity or - for less.

**[10] PHASE buttons**

This button is effective only for the NTSC<sup>1340</sup> and NTSC<sup>4:3</sup> color system.

Press GRN (green) to make the skin tones greenish or PUR (purple) to make them purplish.

**[11] CONTRAST buttons**

Press + to make the contrast, color intensity and brightness stronger or - to make them weaker.

**[12] VOL (volume) buttons**

Press + for more volume or - for less.

**[13] POWER switch and Indicator**

Depress to turn the monitor on.  
The indicator will light up in green.  
Press the switch again to turn the monitor off.

**[14] ANALOG/DIGITAL (EXT SYNC) button**

This button functions as ANALOG/DIGITAL selector and EXT SYNC selector.  
**As ANALOG/DIGITAL selector**  
Depress to monitor a signal fed through the ANALOG RGB connectors.  
Release to monitor a signal fed through the DIGITAL RGB connector.

**[15] ANALOG/DIGITAL selector**

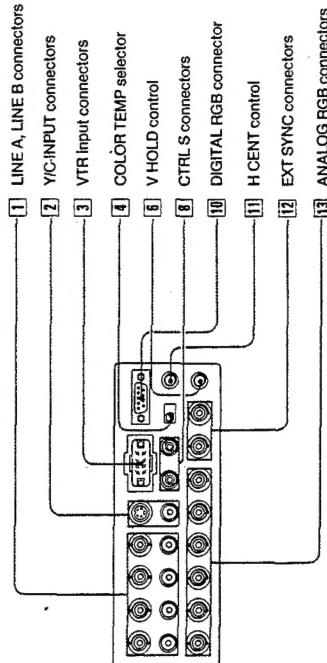
Depress to operate the monitor on an external sync signal fed through the EXT SYNC connector on the rear panel.  
Release to operate the monitor on the sync signal from the displayed composite video signal (INT).

#### PICTURE ADJUSTMENT Buttons

The picture adjustment buttons of each monitor operate in the following input mode (indicator as "Yes")

Model	Input Mode	APERTURE	BRIGHT	CHROMA	PHASE	CONTRAST	VOL
PVM-1342MD/ PVM-1342Q/ PVM-1341	• LINE A, LINE B • Y/C • Analog RGB • Digital RGB • Analog RGB	Yes	Yes	Yes (NTSC only)	Yes	Yes	Yes
		No	Yes	No	No	Yes	No

Rear panel



#### 1 LINE A, LINE B connectors

Two groups (A and B) of line input connectors for the composite video and audio signals and their loop-through output connectors.

To monitor the input signal fed through these connectors, press the A or B input select button on the front panel.

**VIDEO IN (BNC type):** Connect to the video output of a video equipment, such as a VCR or a color video camera. For a loop-through connection, connect to the VIDEO OUT (BNC type). Loop-through output of the VIDEO IN connector. Connect to the video input for a VCR or another monitor.

When the cable is connected to this connector, the 75-ohms termination of the input is automatically released, and the signal input to the VIDEO IN connector is output from this connector.

**AUDIO IN (phone jack):** Connect to the audio output of a VCR or to a microphone via a suitable microphone amplifier. For a loop-through connection, connect to the audio output of another monitor.

**AUDIO OUT (phone jack):** Loop-through output of the AUDIO IN jack. Connect to the audio input of a VCR or another monitor.

#### 2 YC/INPUT connectors (4pin DIN)

**VIDEO:** Connect to the Y/C separate output of a video camera or a VCR.

**AUDIO:** Connect to the audio output of a video camera or a VCR.

To monitor the input signal fed through these connectors, press the Y/C/VTR button on the front panel.

#### 3 VTR Input connectors (8-pin)

Line input for the video and audio signals. When connected to the 8-pin TV connector of a VCR, the video and audio playback signal from the VCR can be connected with a single cable.

To monitor the input signal fed through this connector, press the Y/C/VTR button on the front panel, with the YC/INPUT connectors connected to no outputs.

When both VTR and YC/INPUT connectors are connected to video equipment, the input signal fed through the YC/INPUT connectors has priority over the one fed through the VTR connectors.

#### 4 COLOR TEMP (temperature) selector

Select the color temperature position, 9300°K or 6500°K.  
Turn to stabilize the picture if it rolls vertically.

#### 5 CTRL S (control S) connectors (mini-jack)

For remote control of the APERTURE, BRIGHT, CHROMA, PHASE, CONTRAST and VOL control buttons.  
**IN:** Connect to the "Control S" output of other equipment.  
**OUT:** Connect to the CTRL S IN connector of another monitor by using a connecting cord (miniplug↔miniplug).

**DIGITAL RGB connector (8-pin)**  
Connect with a microcomputer having a digital (TTL level) RGB video output.

To monitor the input signal fed through this connector, press the RGB button and keep the ANALOG/DIGITAL (EXT SYNC) button released.

#### Note

For connection, be sure to use an optional SMF-520 connecting cable.

#### 6 H CENT (horizontal centering) control

When a digital RGB signal is monitored, turn to center the picture if it is decentered.

**EXT SYNC (external sync) connectors (BNC type)**  
**IN:** Connect to the output of a sync generator.  
To monitor the sync signal fed through this connector, depress the ANALOG/DIGITAL (EXT SYNC) button.  
**OUT:** Loop-through output of the SYNC IN connector. Connect to the SYNC input of a video camera. When the cable is connected to this connector, the 75-ohms termination of the input is released, and the signal input to the IN connector is output from this connector.

#### 7 ANALOG RGB connectors (BNC type)

**RGB IN:** Connect to the analog RGB outputs of a video camera.

To monitor a signal fed through these connectors, press the RGB button and depress the ANALOG/DIGITAL (EXT SYNC) button.

**RGB OUT:** Loop-through outputs of the RGB IN connectors. Connect to the analog RGB inputs of a video camera.

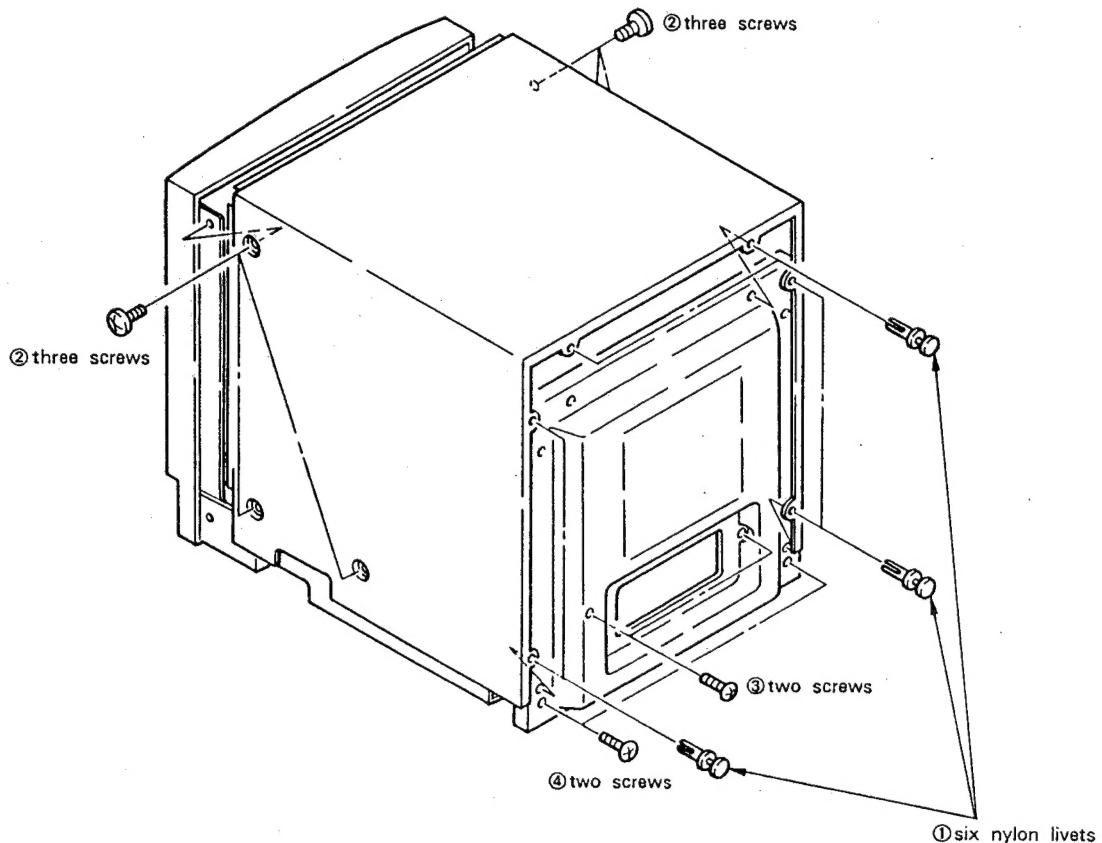
When the cable is connected to these connectors, the 75-ohms termination of the input is released, and the signal input to the OUT connector is output from these connectors.

**MEMO**

## SECTION 2

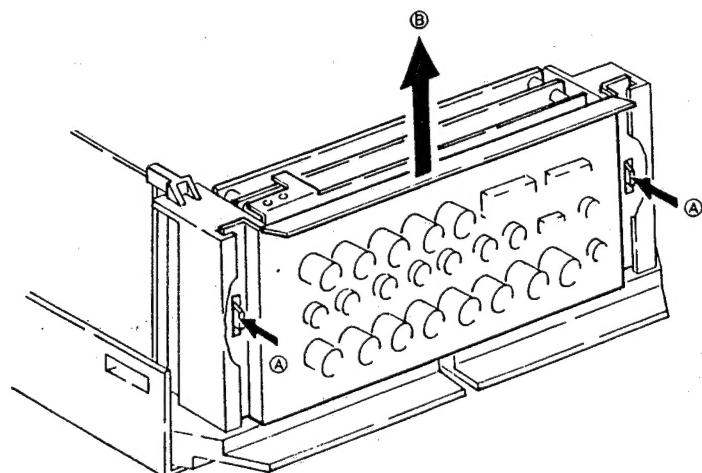
### DISASSEMBLY

#### 2-1. REAR COVER AND TOP COVER REMOVAL



#### 2-2. TERMINAL BOARD REMOVAL

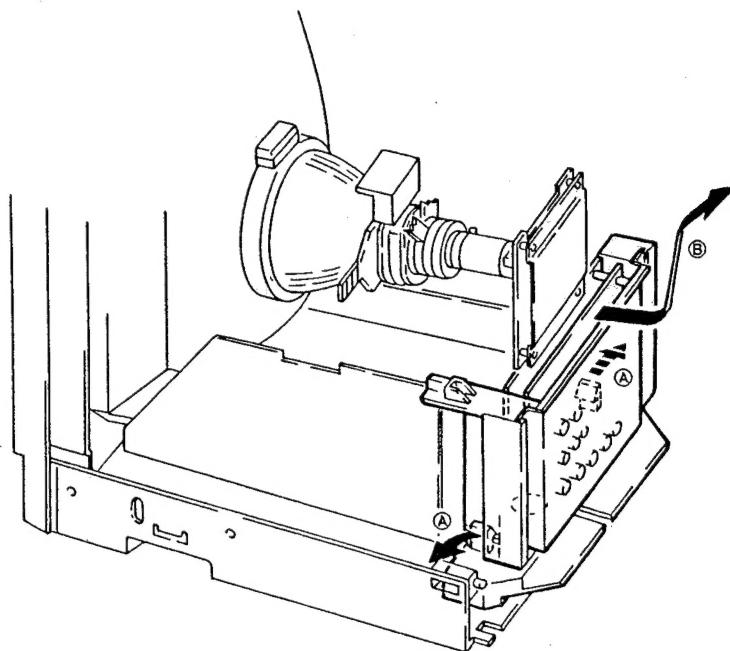
**Note :** When you remove terminal board, pull out A board a short distance.



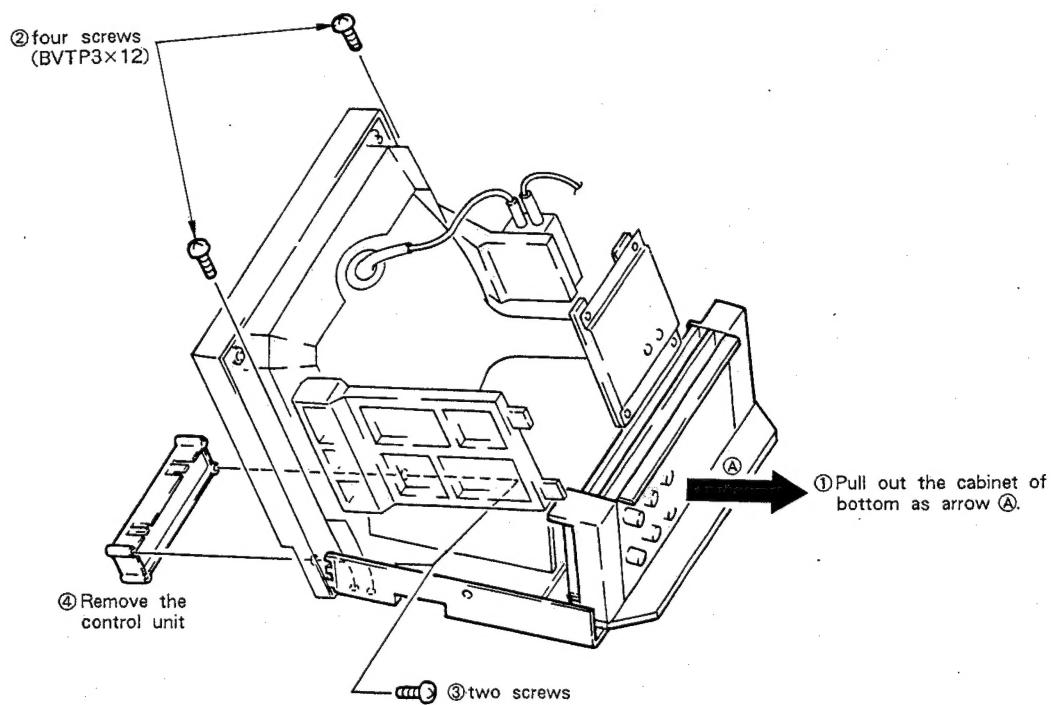
① Remove the terminal board as arrow ③ while push the two claws as arrow ④.

## 2-3. BRACKET OF TERMINAL BOARD REMOVAL

① Remove the bracket of terminal board as arrow ⑧ while extend two claws as arrow ⑨.



## 2-4. CONTROL UNIT REMOVAL



## 2-5. PICTURE TUBE REMOVAL

**NOTE : Caution for ANODE CAP installation.**

When you replace PICTURE TUBE or FBT, remove RTV on ANODE CAP so that PICTURE TUBE and FBT can be separated. Please adhere picture tube and anode cap in accordance with the following procedure.

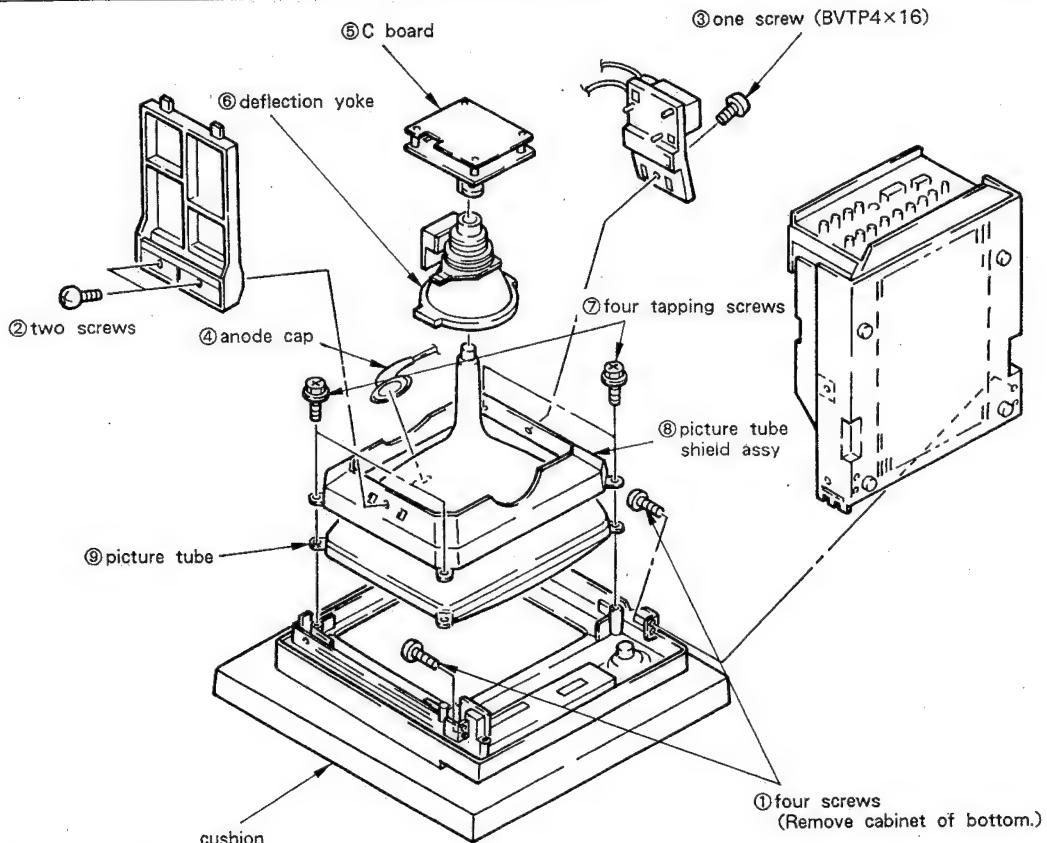
### ADHERING PROCEDURE OF ANODE CAP.

1. Clean PICTURE TUBE ANODE CAP with ethanol to remove original RTV.
2. Dry clean face with air.

3. Use KE-490RTV (RTV silicone adhesive, SHIN-ETSU CHEMICAL).

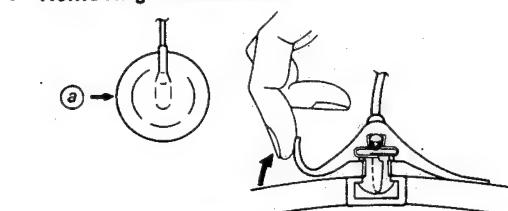
<u>Part. No.</u>	<u>Description</u>
7-322-065-19	Silicone (RTV) KE-490W

4. Install ANODE CAP.
5. Adequately apply RTV to the entire picture tube anode area, place the anode cap onto the picture tube and push it down securely so that no air pockets remain beneath the cap.
6. Dry more than 12 hours at room temperature.

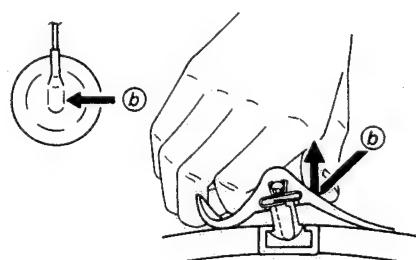


### ANODE CAP REMOVAL

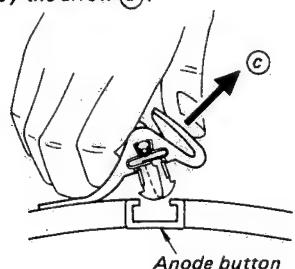
#### • Removing Procedures



- ① Turn up one side of the rubber cap in the direction indicated by the arrow (a).



- ② Using a thumb, pull up the rubber cap firmly in the direction indicated by the arrow (b).



- ③ When one side of the rubber cap is separated from the anode button, the anode cap can be removed by turning up the rubber cap and pulling up it in the direction of the arrow (c).

## SECTION 3 SET-UP ADJUSTMENTS

- The following adjustments should be made when a complete realignment is required or a new picture tube is installed.
- These adjustments should be performed with rated power supply voltage unless otherwise noted.

The control and switch below should be set as follows unless otherwise noted:

CONTRAST control ..... 80%

BRIGHTNESS control ..... 50%

Perform the adjustments in order as follows:

3-1. Beam Landing

3-2. Convergence

3-3. Focus

3-4. White Balance

**Note:** Test Equipment Required.

1. Color Bar/Pattern Generator

2. Degausser

3. Color Analyzer (Minolta)

4. Luminance Level Meter

5. Oscilloscope

### Precaution

- Set the side of the unit with the PICTURE TUBE so that it faces east or west in order to reduce the influence of external magnetic force.
- Turn the power switch for the unit ON and erase the magnetic force using a degausser.

### 3-1. BEAM LANDING

- Receive an entirely white signal with the pattern generator.  
CONTRAST ..... MAX.  
BRIGHTNESS ..... set easy to observe
- Adjust the focus and the horizontal convergence roughly.
- Loosen the deflection yoke mounting screw, and set the purity control to the center as shown in Fig. 3-1.
- Switch over the pattern generator to green.
- Move the deflection yoke backward, and adjust with the purity control so that green is in the center and blue and red are at the sides, evenly. (Fig. 3-2)
- Move the deflection yoke forward, and adjust so that the entire screen becomes green. Repeat 5 to 7 as to red and blue.
- When landing at the corners is not right, correct by using the magnet. (Fig. 3-3)
- When the position of the deflection yoke is determined, tighten it with a deflection yoke mounting screw.

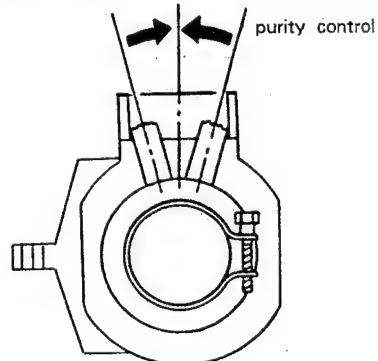
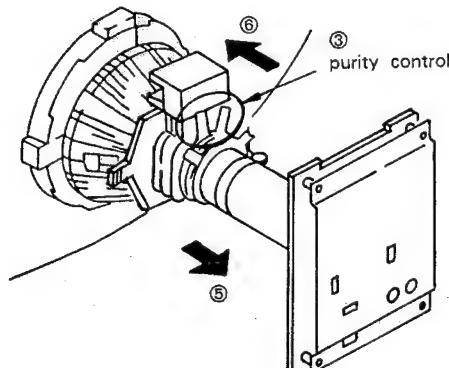


Fig. 3-1

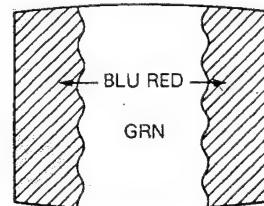


Fig. 3-2

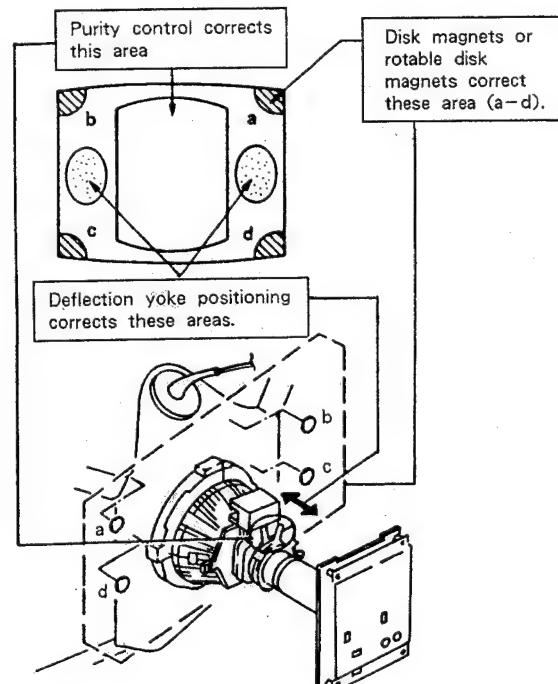
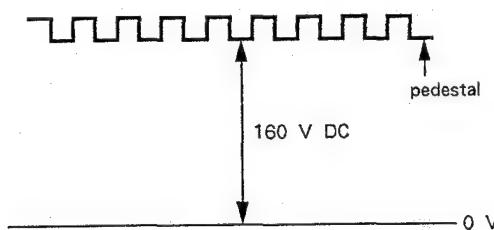


Fig. 3-3

**3-4. WHITE BALANCE****(Screen (G2) Voltage)**

1. Receive a dot signal with the pattern generator.
2. Switch over COLOR TEMP to 6500° K.
3. Using oscilloscope, adjust with RV1710 (SUB BRT) on V board so that the green cathode voltage against ground becomes 160 V DC.
4. Similarly, adjust with RV1704 (B BKG) and RV1705 (R BKG) on V board so that the blue and red cathode voltages become 160 V DC.

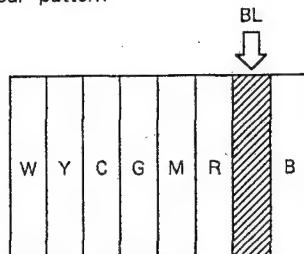


5. Observing the screen, adjust with RV709 (SCREEN) on C board so that the back-ground of the dot signal is bright dimly.

**(White Balance)**

1. Receive a color-bar pattern signal with the pattern generator, and to make black and white screen by chroma switch off.
2. • BRIGHTNESS ..... 50%  
• CONTRAST ..... Minimum  
• CHROMA ..... 50%  
• DRIVE volume (V BOARD) ..... mechanical center  
• BKG volume (V BOARD) ..... mechanical center
3. Adjust RV1710 (SUB BRIGHT) so that the blue stripe portion on the color-bar pattern signal is bright dimly.

color-bar pattern



4. Receive an entirely white signal from the pattern generator.
5. CONTRAST ..... 70%
6. Using the luminance level meter, adjust the luminance level of the pattern generator becomes 8 Nit. (The condition the screen is bright dimly.)

7. Adjust with the color analyzer the white balance.
8. Reset the luminance level of the pattern generator, and adjust the white balance. (High light condition.)

**MEMO**

## SECTION 4

### SAFETY RELATED ADJUSTMENTS

**B+ MAX CONFIRMATION (☒ R690)**

The following adjustments should always be performed when replacing the following components (marked with  on the schematic diagram).

on F board : IC601, IC602, IC651, D654, D655, C658, C659, R634, R652, R653, R654, R655, R656, R657, R665, R671, R690, RV601

1. Supply  $130 \pm 5.0$  V AC to with variable auto-transformer.
2. Receive a dot signal.
3. • CONTRAST ..... Minimum  
• BRIGHTNESS ..... Minimum
4. Connect a digital multimeter to TP91.
5. Confirm the voltage of TP91 is less than 118.2 V DC when rotate RV601 on F board fully clockwise.
6. If step 5 is not satisfied, readjustment should be performed by altering the resistance value of R690 (☒).
7. Receive a dot signal.
8. Disconnect A-22 connector (ABL JIG) on A board and connect an ammeter.
9. Adjust BRIGHTNESS and CONTRAST so that the current to  $70 \pm 30$   $\mu$ A.
10. Adjust RV601 on F board so that voltage of TP91 is  $115.5 \pm 0.3$  V DC.
11. Supply  $90 \pm 5.0$  V AC to with variable auto-transformer.
12. Receive entire white signal.
13. • CONTRAST ..... Maximum  
• BRIGHTNESS ..... Maximum
14. Confirm the voltage of TP91 is more than 113.0 V DC.

**CONFIRMATION WHEN REPLACING H.V.R  
(High Voltage Resistor)**

The following adjustment should be confirm the output voltage when replacing HVR.

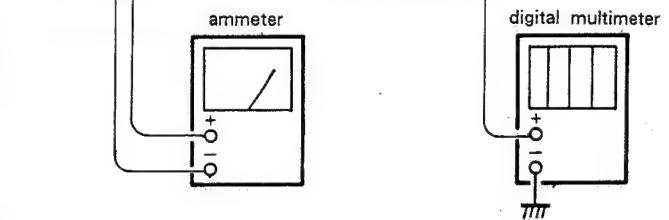
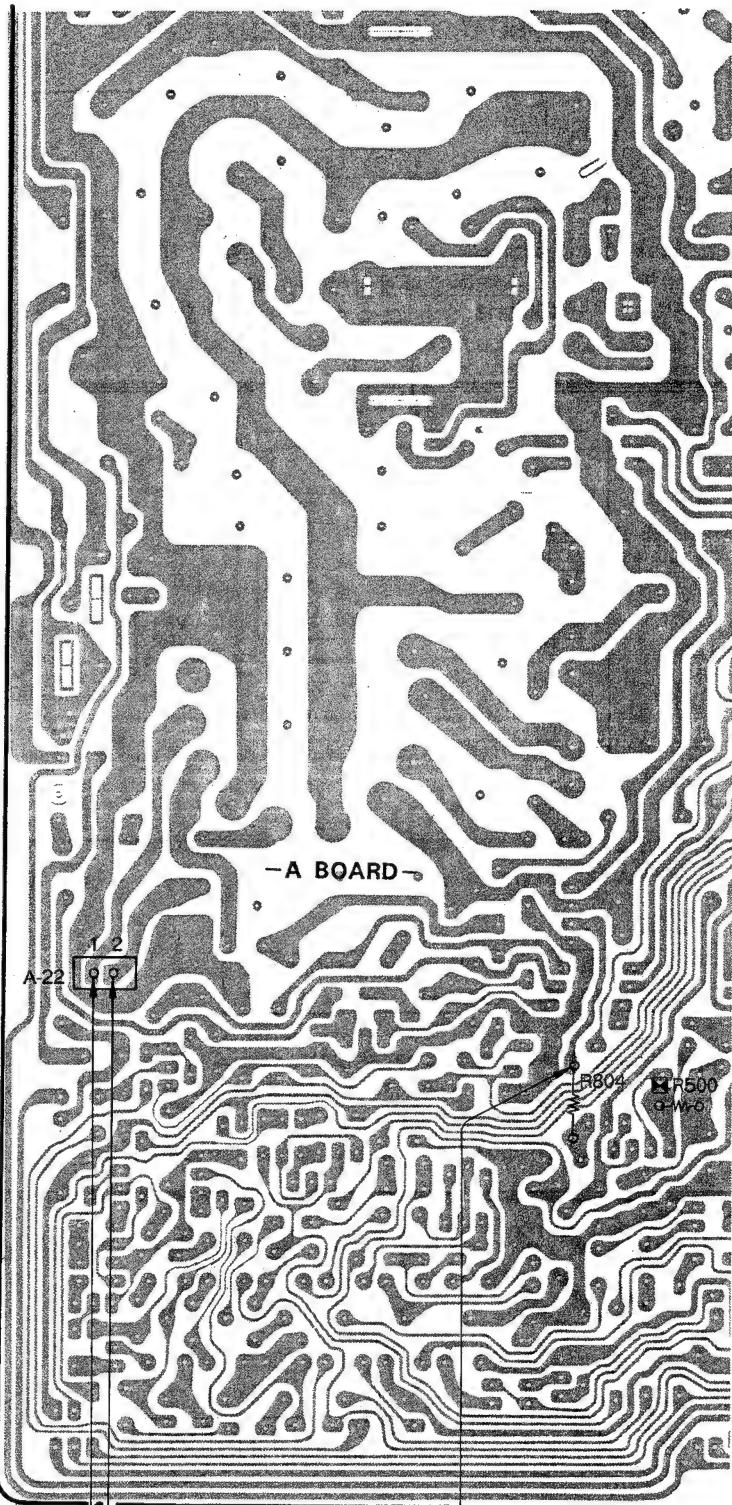
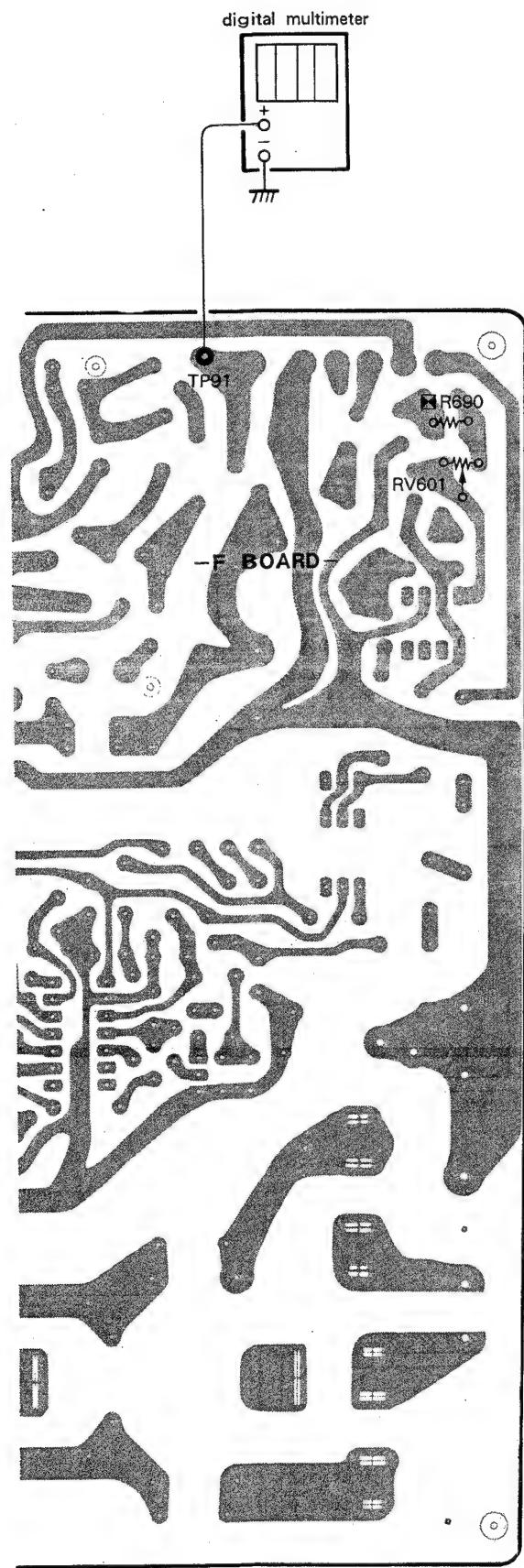
1. Receive an entire white signal.
2. • CONTRAST ..... Maximum  
• BRIGHTNESS ..... Maximum
3. Connect a digital multimeter to the A-20 connector side lead of R804.
4. Confirm the voltage is  $14.1 \pm 1.0$  V DC.

**☒ R500, CONFIRMATION METHOD (HOLD-DOWN CONFIRMATION) AND READJUSTMENTS**

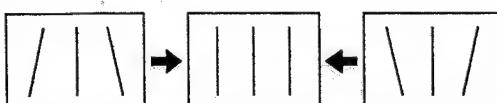
The following adjustments should always be performed when replacing the following components (marked with  on the schematic diagram).

on A board : IC501, Q503, Q504, Q505, Q506, D509, D510, C505, C520, C524, C525, C526, C527, C528, C529, C530, C531, R500, R506, R516, R517, R518, R519, R520, R521, R522, R523, R524, R525, R526, R528, R804, NL501, HVR

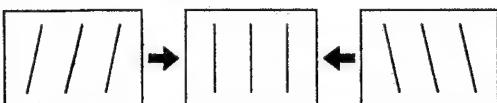
1. Receive an entire white signal.
2. • CONTRAST ..... Maximum  
• BRIGHTNESS ..... Maximum
3. Connect a digital multimeter to the A-20 connector side lead of R804.
4. Confirm the voltage is  $14.1 \pm 1.0$  V DC.
5. Receive a dot signal.
6. Disconnect A-22 connector (ABL JIG) on A board and connect an ammeter.
7. Adjust BRIGHTNESS and CONTRAST so that the current to  $70 \pm 30$   $\mu$ A.
8. Apply an external DC voltage gradually to the A-20 connector side lead of R804, and when the voltage becomes  $16.4 \pm 0.1$  V DC, confirm the HOLD-DOWN circuit operates immediately and raster disappears.
9. With the same procedure of item 8, when the voltage becomes  $15.8 \pm 0.1$  V DC, confirm the HOLD-DOWN circuit doesn't operate.
10. Receive an entire white signal.
11. Adjust with BRIGHTNESS and CONTRAST volumes so that the current to  $600 \pm 40$   $\mu$ A.
12. Apply DC voltage to the A-20 connector side lead of R804, and when the voltage becomes  $15.8 \pm 0.1$  V DC, confirm the HOLD-DOWN circuit operates immediately and raster disappears.
13. With the same procedure of item 8, when the voltage becomes  $15.2 \pm 0.1$  V DC, confirm the HOLD-DOWN circuit doesn't operate.
14. When step 4 to 13 is not satisfied, readjustment should be performed by altering the resistance value of R500 (☒).



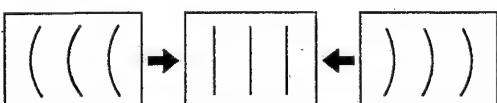
• PIN PHASE (RV504)



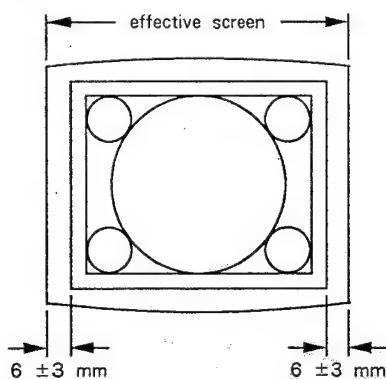
• V. ANG (RV550)



• BOW (RV509)

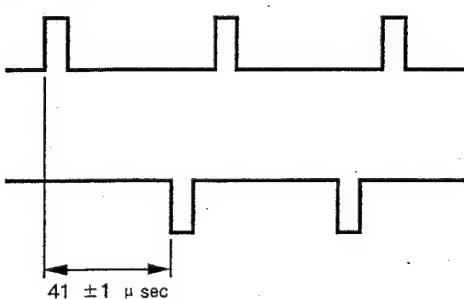


6. Adjust RV503 (H. SIZE) so that the horizontal size becomes  $15.75 \pm 0.2$  frames.
7. Set U/S (Under Scan) switch to Under mode.
8. Adjust RV510 (U.H. SIZE) the Under H. SIZE as follows.



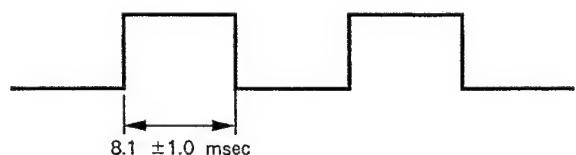
**H-V DELAY ADJUSTMENT (VR1, VR2)**

1. Receive a monoscope signal.
2. • CONTRAST ..... 70%
- BRIGHTNESS ..... 50%
3. Set H-V DELAY switch to DELAY mode.
4. H. DELAY Adjustment (VR1)
  - (1) Connect an oscilloscope to pin ② (SYNC SEP) and pin ⑨ (H. SYNC) of IC503.
  - (2) Adjust VR1 of IC503 to become  $41 \pm 1 \mu\text{sec}$  as follows.



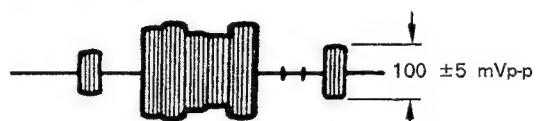
5. V. DELAY Adjustment (VR2)

- (1) Connect an oscilloscope to pin ⑩ of IC503.
- (2) Adjust VR2 of IC503 to become  $8.1 \pm 1.0 \text{ msec}$  as follows.



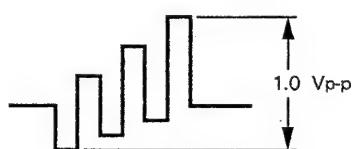
**ACC ADJUSTMENT (RV002)**

1. Receive a color-bar signal (EIA color-bar).
2. Connect an oscilloscope to the IC302 side lead of C313.
3. Adjust RV002 so that the burst signal level becomes  $100 \pm 5 \text{ mVp-p}$ .



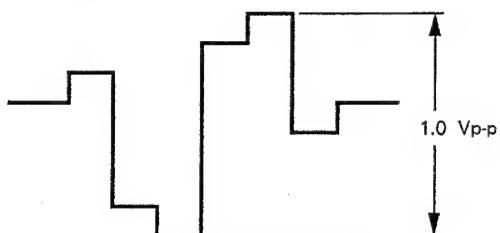
**B-Y DEM LEVEL ADJUSTMENT (RV003)**

1. Receive a color-bar signal (100% chroma color-bar).
2. Connect an oscilloscope to TP42 (B-Y).
3. Adjust RV003 so that the B-Y waveform becomes  $1.0 \text{ Vp-p}$ .



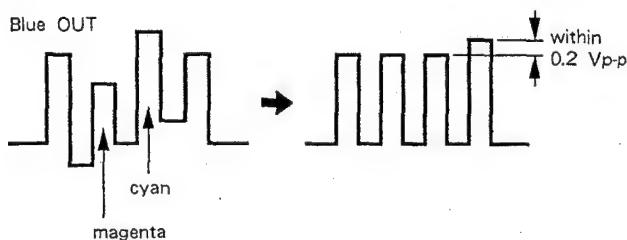
**R-Y DEM LEVEL ADJUSTMENT (RV004)**

1. Receive a color-bar signal (100% chroma color-bar).
2. Connect an oscilloscope to TP41 (R-Y).
3. Adjust RV004 so that the R-Y waveform becomes  $1.0 \text{ Vp-p}$ .

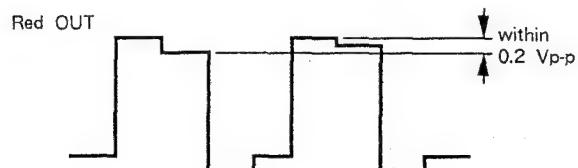


MATRIX ADJUSTMENT (RV006, RV007)

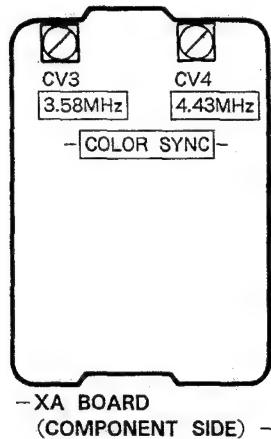
1. Receive a color-bar signal.  
 white peak : 75%  
 black level : 0%  
 chroma max. : 75%  
 chroma min. : 0%
2. CONTRAST ..... 70%
3. Connect an oscilloscope to pin ⑤ (B OUT) of A-15.
4. Adjust RV006 (B-Y) so that the BLUE OUT waveform becomes flat as following figure.



5. When there is difference between cyan portion and magenta portion, adjust with RV006 while tracking with PHASE volume for user control.
6. Connect an oscilloscope to pin ③ (R-Y) of A-15.
7. Adjust RV007 (R-Y) so that the RED OUT waveform becomes flat as following figure.

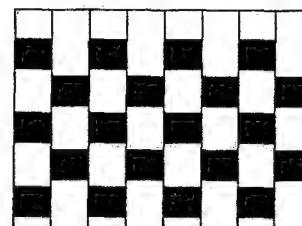


5-2. XA BOARD ADJUSTMENT



COLOR SYNCHRONIZATION (CW) ADJUSTMENT  
(CV3, CV4)

1. Short-circuit pins ⑨ and ⑩ of IC301 on A board.
2. Connect pin ③ of IC311 on A board to +12 V line via 4.7 kΩ resistor.
3. Short-circuit base and emitter of Q416 on A board.
4. 3.58 MHz Adjustment (CV3)  
 (1) Receive a color-bar signal (EIA color-bar).  
 (2) Adjust CV3 the color synchronization.



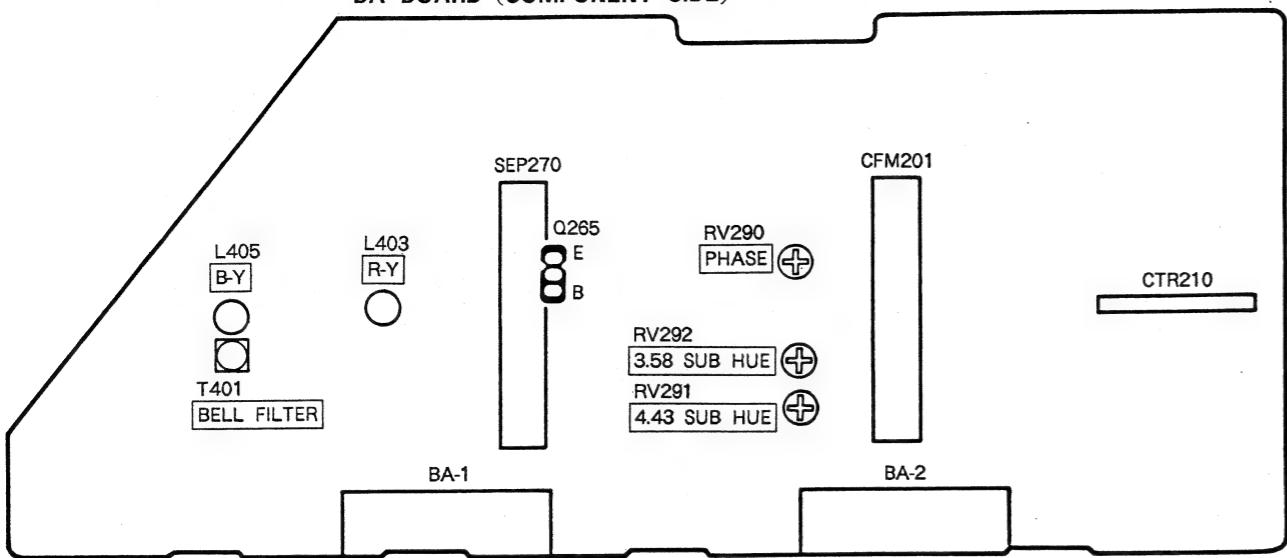
Adjust so that color stripes disappear and the hue change is stabilized extremely.

5. 4.43 MHz Adjustment (CV4)  
 (1) Receive a color-bar signal (EBU color-bar).  
 (2) Adjust CV4 the color synchronization.
6. Remove the short-circuit positions pins ⑨ and ⑩ of IC301 and base and emitter of Q416.

**CAUTION :** This adjustment (XA board adjustment) should be made earlier than all adjustments of color.

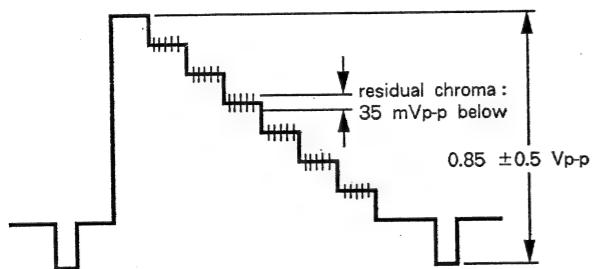
### 5-3. BA BOARD ADJUSTMENTS (PVM-1342Q, PVM-1343MD ONLY)

-BA BOARD (COMPONENT SIDE)-

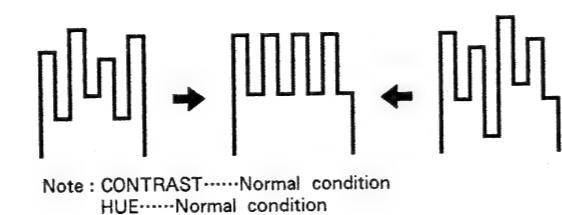


#### NTSC 3.58 MHz ADJUSTMENT (RV292)

1. Receive NTSC 3.58 color-bar signal.
2. Connect an oscilloscope to pin ⑯ (COMPOSITE IN) of BA-2 connector.
3. Confirm the Y-OUT is  $0.87 \pm 0.5$  Vp-p.
4. Confirm the residual chroma is 35 mVp-p below. When it is above 35 mVp-p, adjust with RV1 and T1 inside CFM201 while tracking.

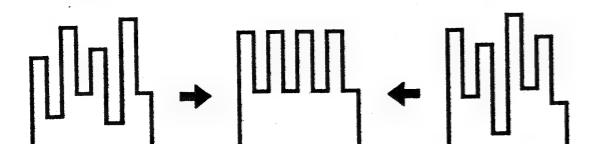


2. Confirm the voltage on pin ④ of CTR210 is above 5.0 V DC, and on pin ⑤ of CTR210 is below 0.1 V DC.
3. Connect an oscilloscope to pin ⑤ of A-15 connector.
4. Adjust RV291 (4.43 SUB HUE) so that the BLUE OUT waveform level becomes flat as following figure.



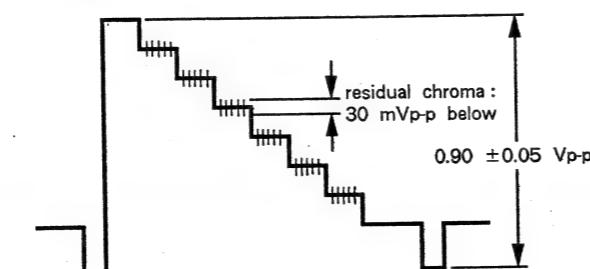
#### PAL ADJUSTMENTS (RV290)

5. Connect an oscilloscope to pin ⑥ (B-OUT) of A-15 connector.
6. Adjust RV292 (3.58 SUB HUE) so that the BLUE OUT waveform level becomes flat as following figure.



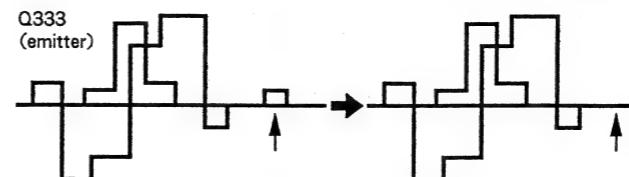
#### NTSC 4.43 MHz ADJUSTMENT (RV291)

1. Receive NTSC 4.43 color-bar signal.

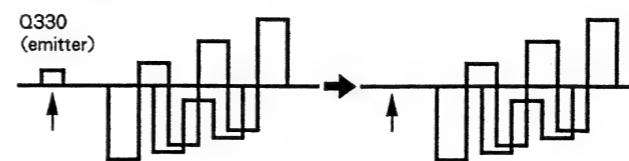


#### 5. ANTI-PAL Adjustment (RV290)

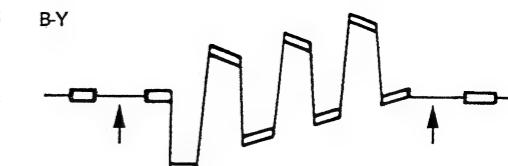
- (1) Receive the special PAL color-bar.
- (2) Connect an oscilloscope to emitter of Q333 on A board, and adjust RV290 (PHASE) so that R-Y anti-PAL portion becomes flat as following figure.



- (3) Connect an oscilloscope to emitter of Q330 on A board, and adjust RV2 inside SEP270 so that B-Y anti-PAL portion becomes flat as following figure.

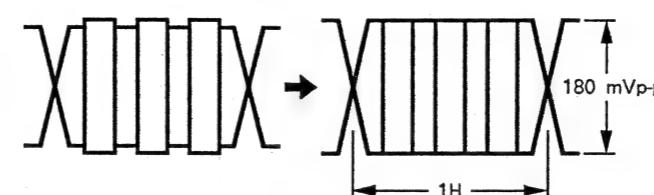


- (4) Adjust L405 (B-Y) so that the non-colored portion level becomes flat.



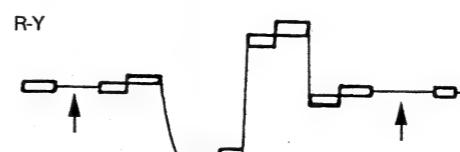
#### SECAM ADJUSTMENTS (T401, L403, L405)

1. Receive SECAM color-bar.
2. Bell Filter Adjustment (T401)
  - (1) Connect an oscilloscope to emitter of Q265.
  - (2) Adjust T401 (Bell Filter) so that the chroma waveform becomes smooth.



#### Color Balance Adjustment (L403)

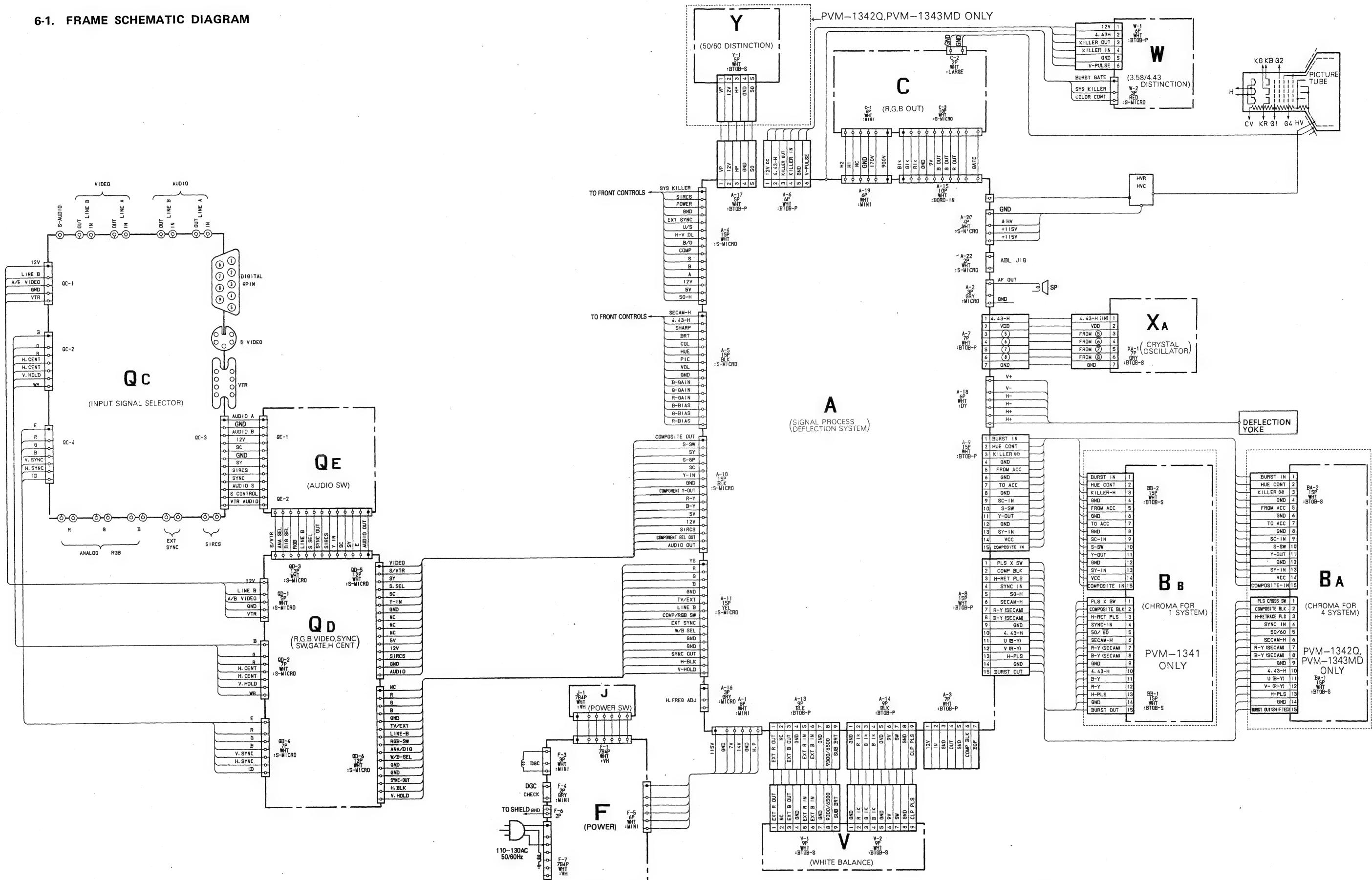
- (1) Connect an oscilloscope to pin ⑦ (R-Y) of BA-1 connector.
- (2) Adjust L403 (R-Y) so that the non-colored portion level becomes flat.



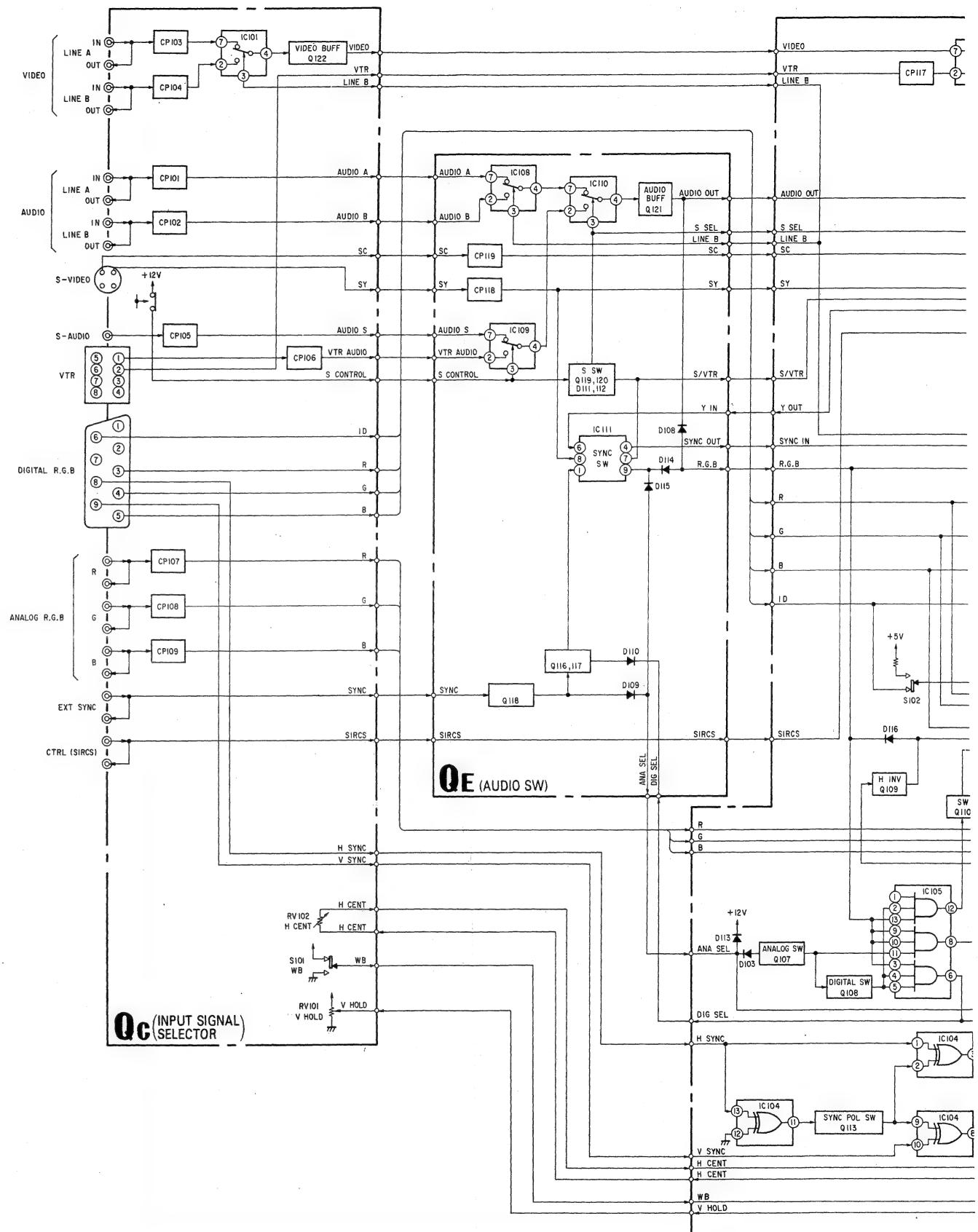
- (3) Connect an oscilloscope to pin ⑧ (B-Y) of BA-1 connector.

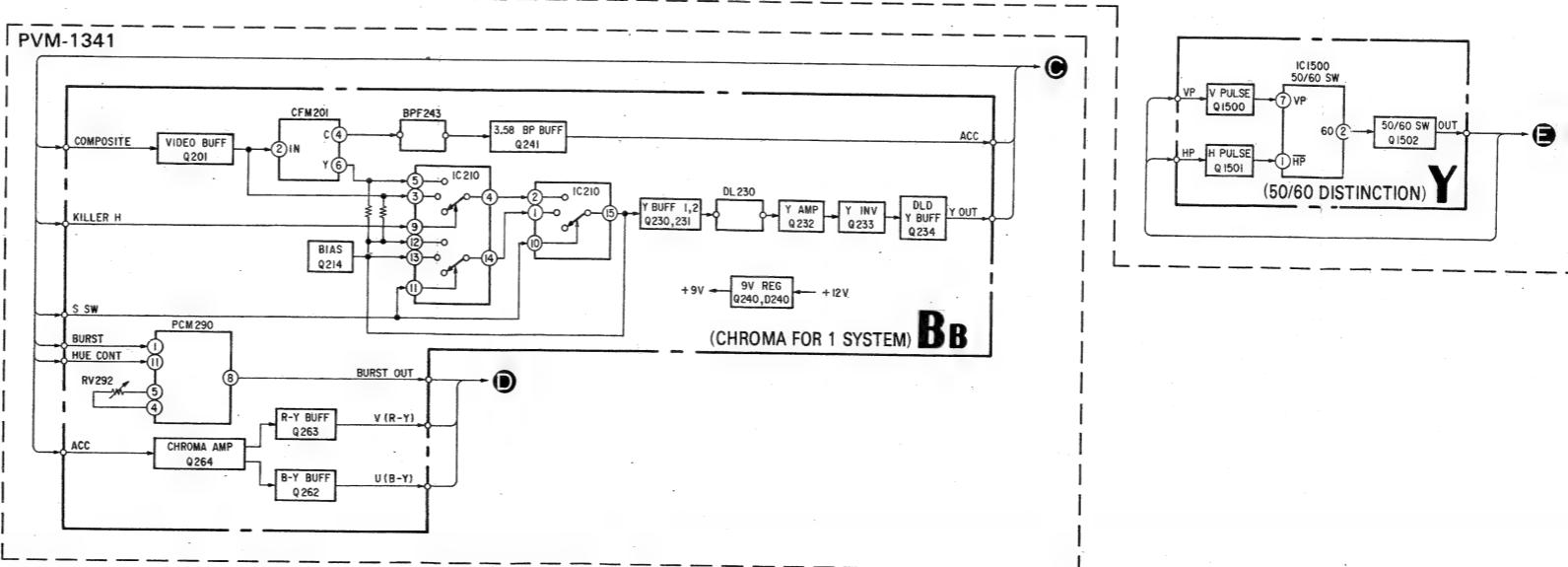
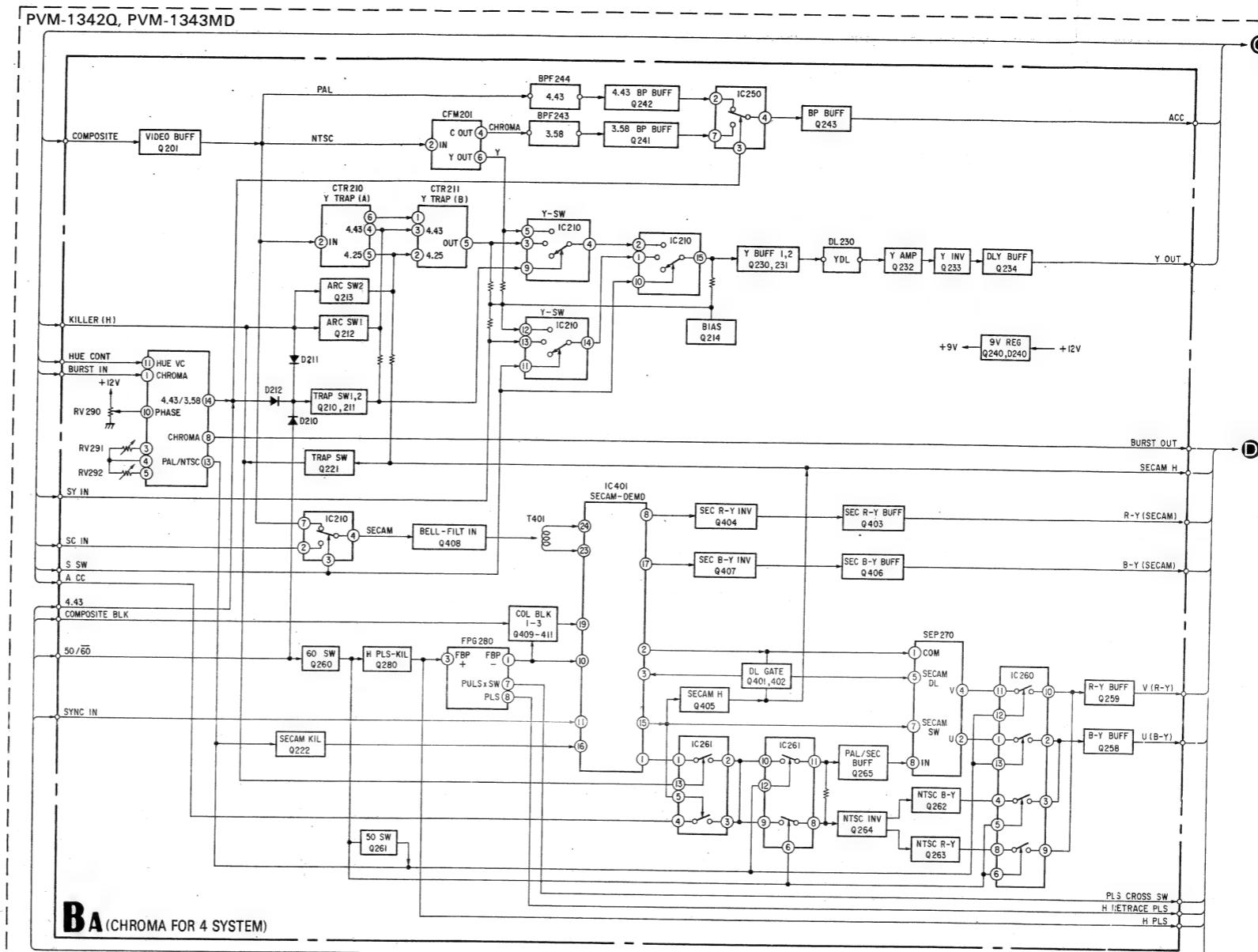
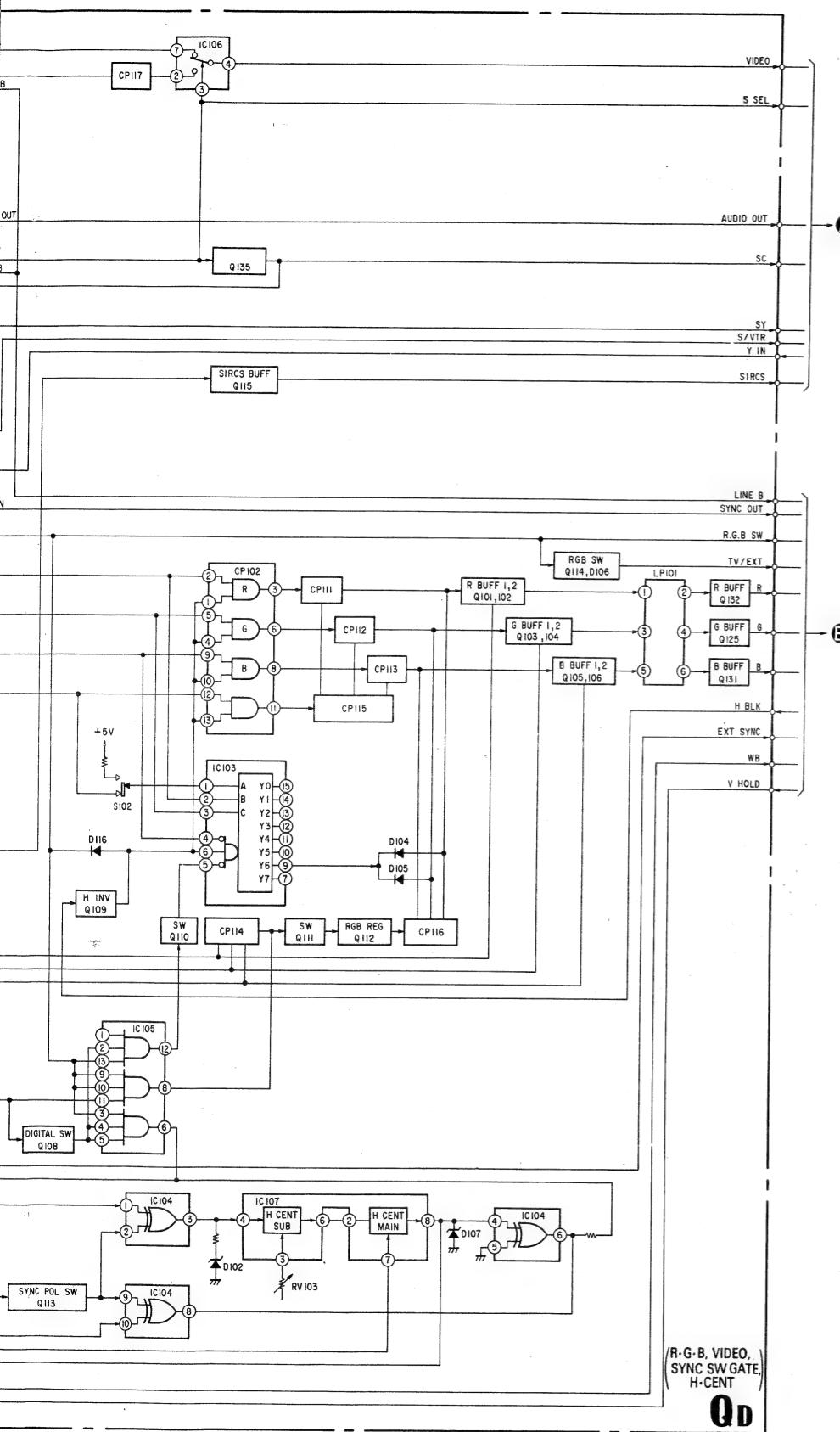
**SECTION 6**  
**DIAGRAMS**

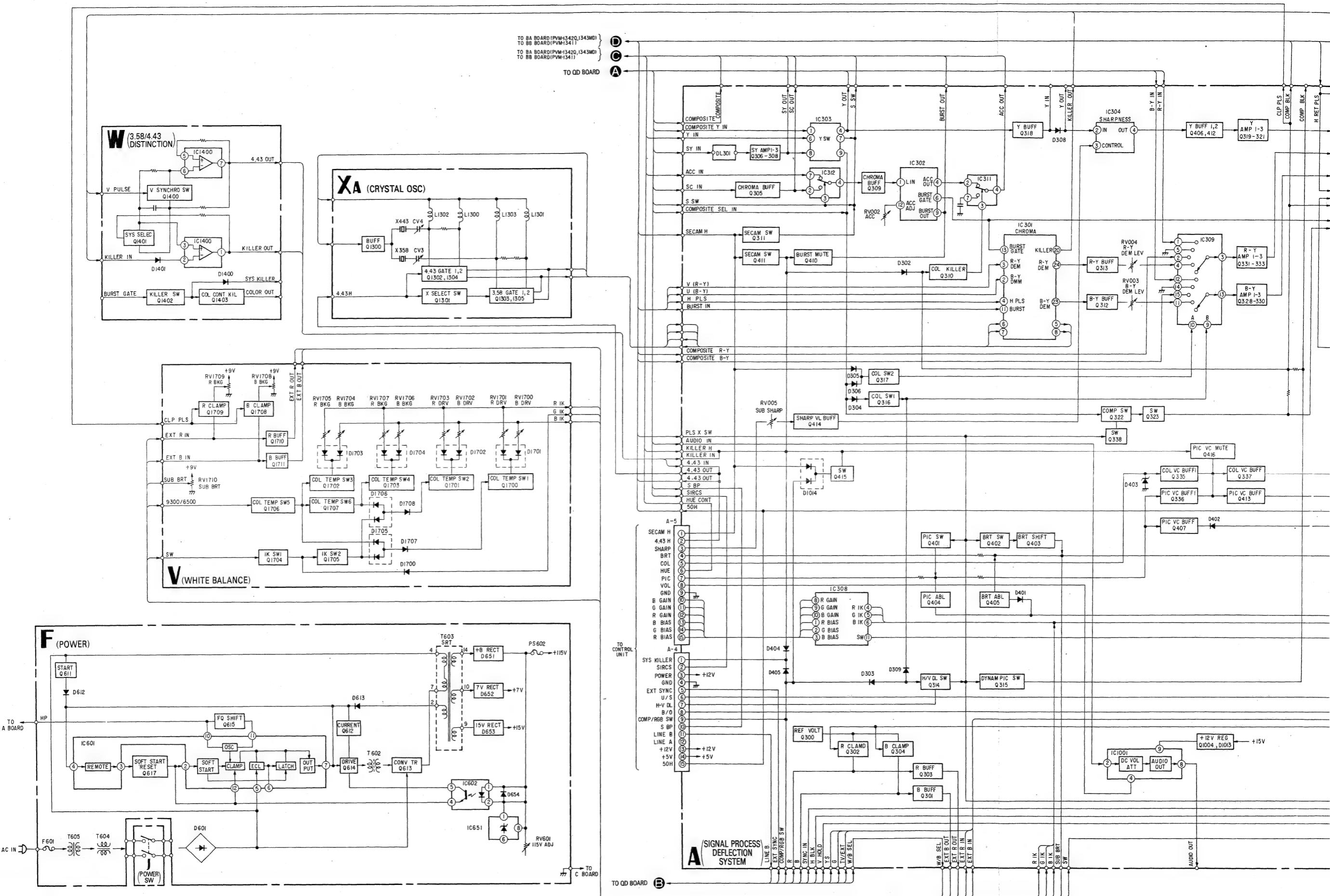
**6-1. FRAME SCHEMATIC DIAGRAM**

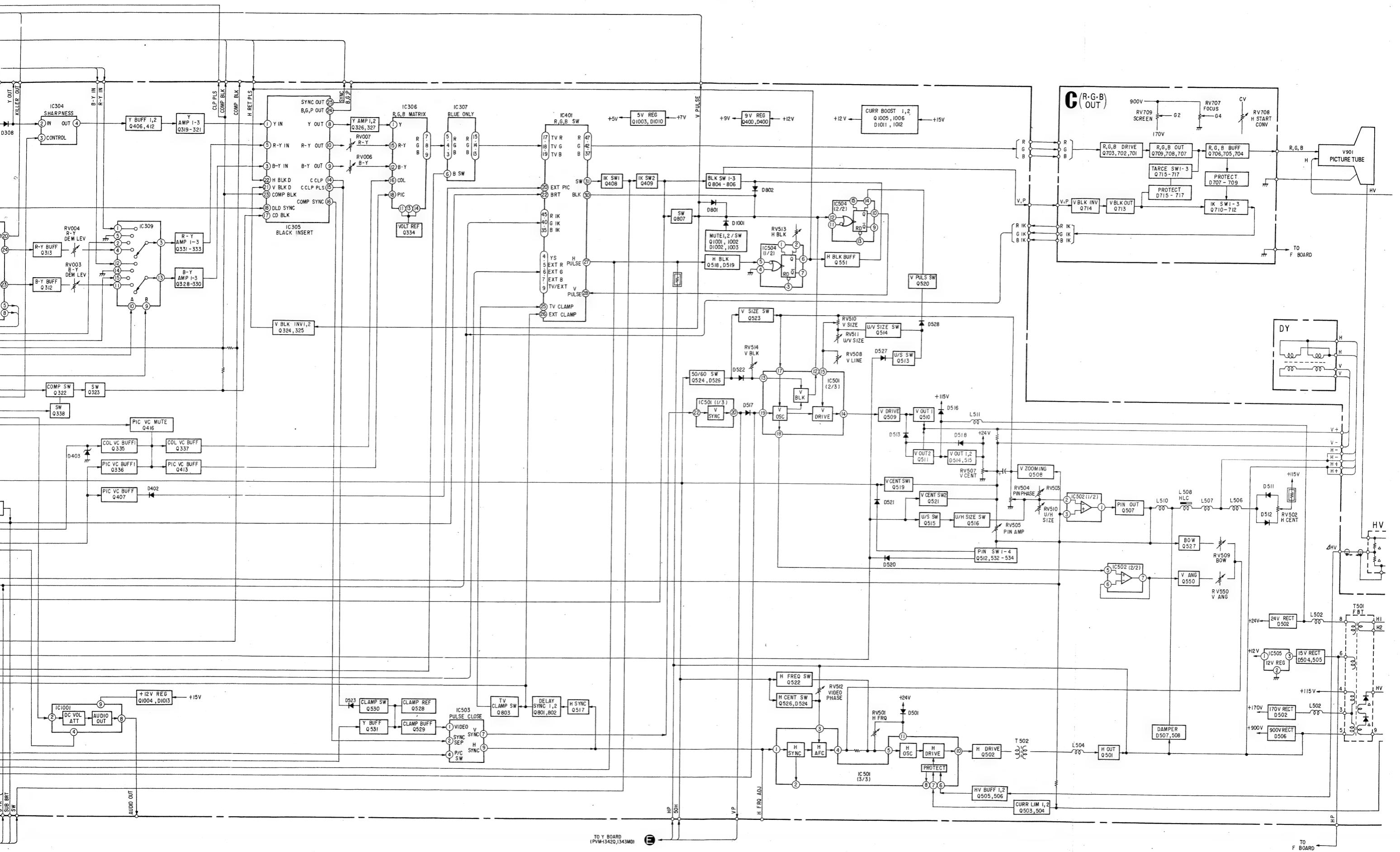


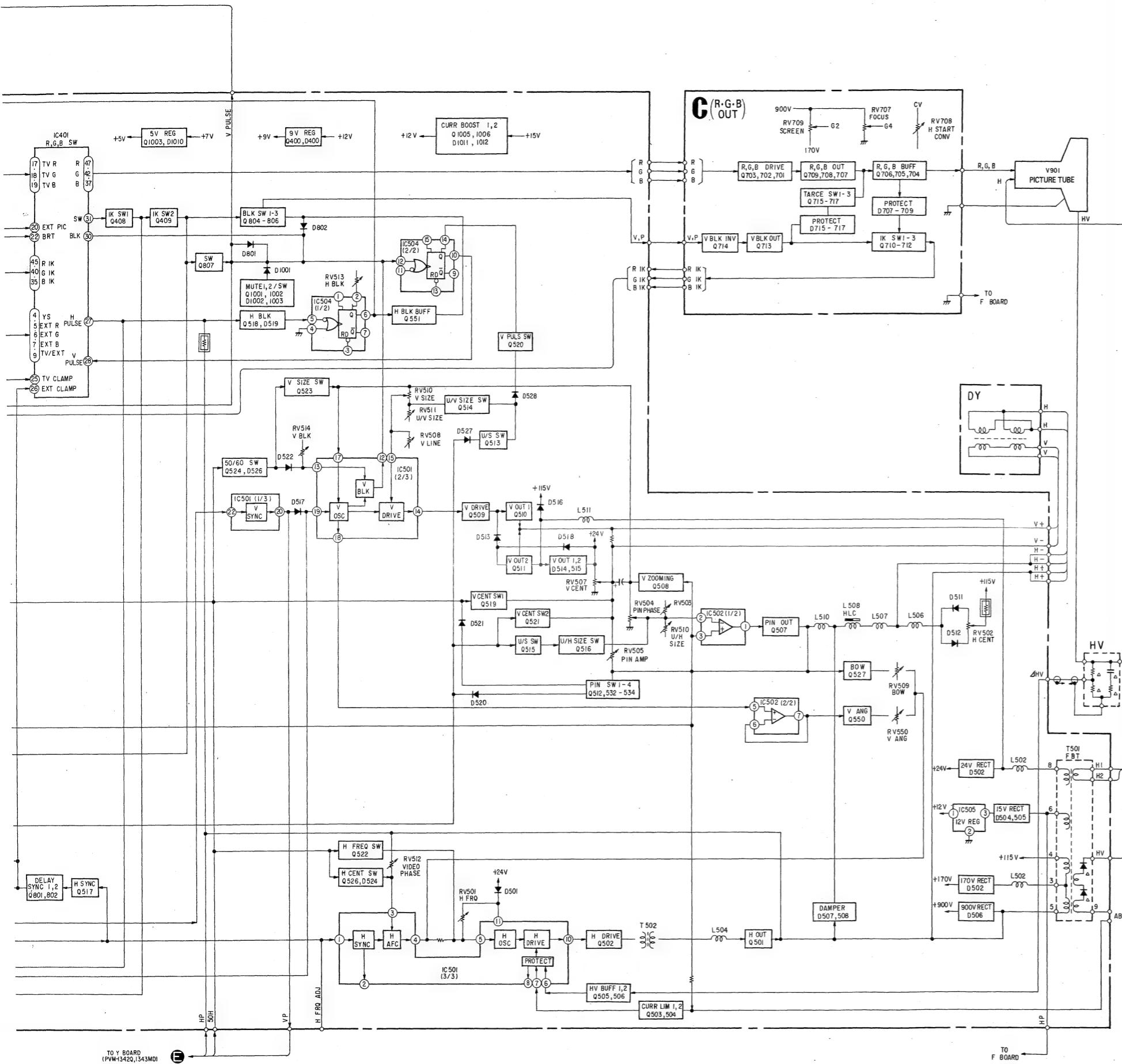
## 6-2. BLOCK DIAGRAMS







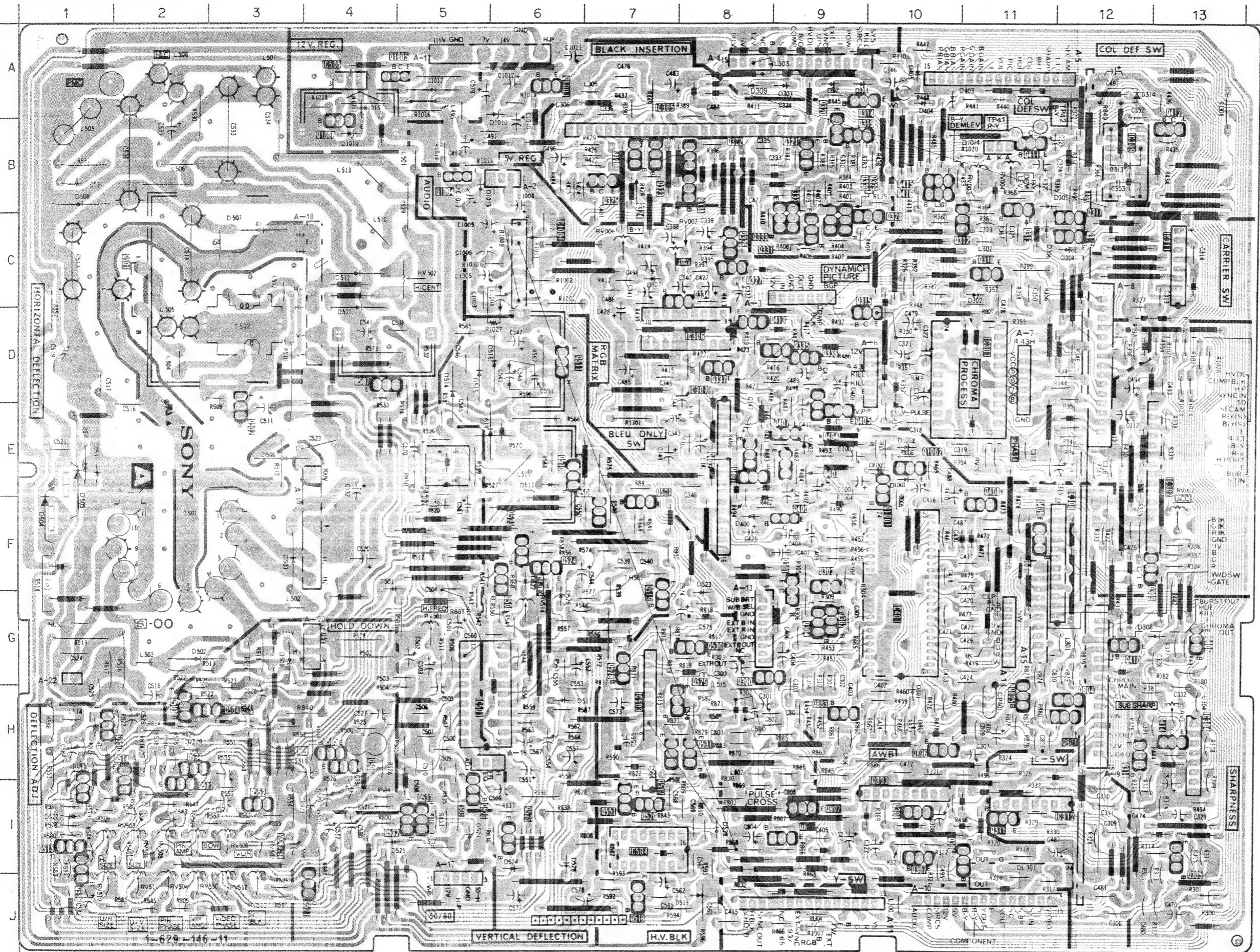




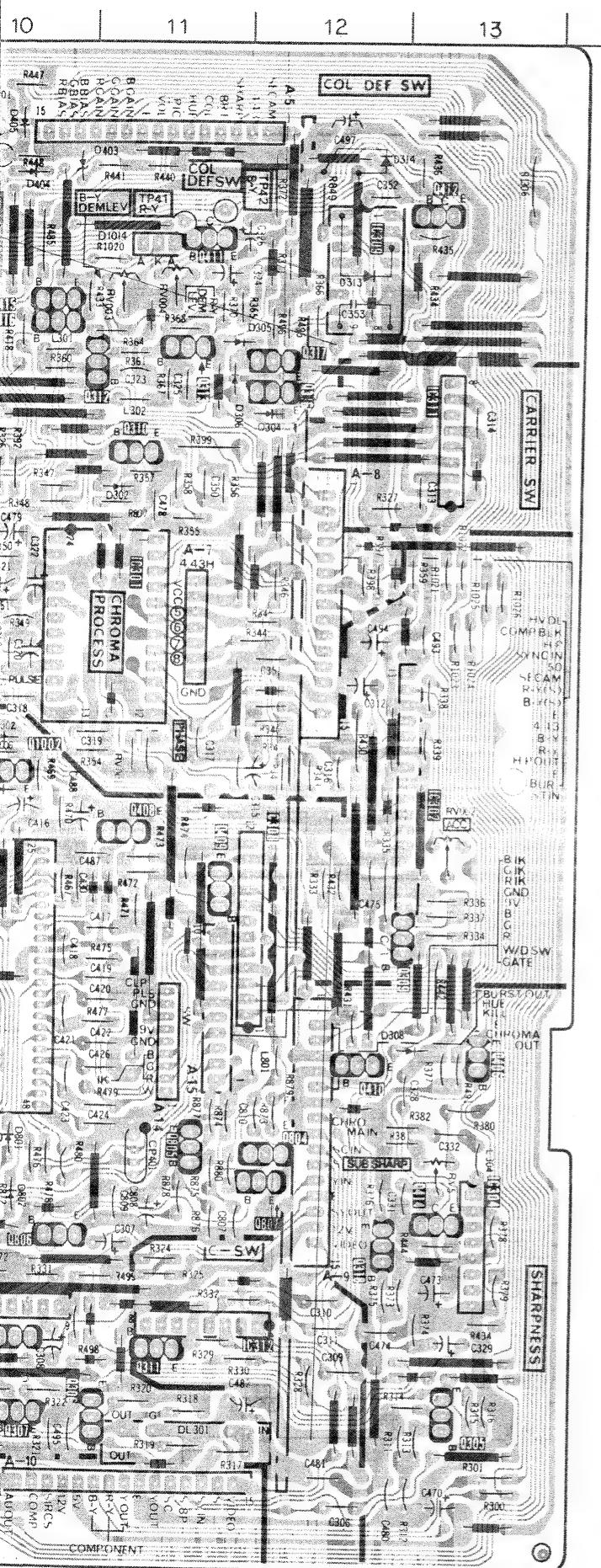
## 6-3. PRINTED WIRING BOARDS - A Board -

A

[SIGNAL PROCESS, DEFLECTION SYSTEM]

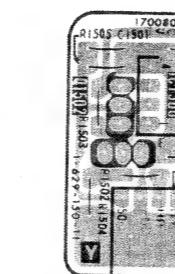


IC	
Q330	C-9
Q331	C-9
Q332	C-9
Q333	C-9
Q334	C-8
Q335	D-9
Q336	D-9
Q337	D-8
Q338	B-8
Q400	F-9
Q401	E-8
Q402	E-8
Q403	E-9
Q404	E-9
Q405	E-9
Q406	G-13
Q407	E-9
Q408	F-11
Q409	F-11
Q410	G-12
Q411	B-11
Q412	B-13
Q413	D-8
Q414	H-13
Q415	B-10
Q501	C-2
Q502	E-3
Q503	H-2
Q504	H-2
Q505	H-4
Q506	H-4
Q507	D-4
Q508	F-6
Q509	F-7
Q510	E-6
Q511	D-6
Q512	I-2
Q513	I-1
Q514	I-2
Q515	I-1
Q516	J-1
Q517	H-7
Q518	J-7
Q519	G-7
Q520	I-7
Q521	F-7
Q522	I-3
Q523	F-6
Q524	F-6
Q525	I-6
Q526	I-5
Q527	G-7
Q528	H-8
Q529	G-8
Q530	G-8

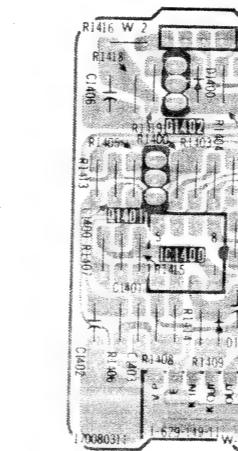


IC	Q330	C-9	Q531	H-8	D514	D-5	
IC301	D-11	Q331	C-9	Q532	I-5	D515	E-6
IC302	E-13	Q332	C-9	Q533	I-5	D516	D-6
IC303	I-10	Q333	C-9	Q534	H-2	D517	H-6
IC304	H-13	Q334	C-8	Q550	H-1	D518	E-6
IC305	B-7	Q335	D-9	Q551	I-7	D519	J-8
IC306	D-8	Q336	D-9	Q801	I-9	D520	H-2
IC307	E-8	Q337	D-8	Q802	I-9	D521	I-5
IC308	F-12	Q400	F-9	Q803	H-9	D522	F-6
IC309	B-12	Q401	E-8	Q804	H-12	D523	G-8
IC311	C-13	Q402	E-8	Q805	H-11	D524	J-6
IC312	I-11	Q403	E-9	Q806	H-10	D526	G-6
IC401	G-10	Q404	E-9	Q807	H-12	D527	I-1
IC501	H-5	Q405	E-9	Q1001	E-10	D528	I-6
IC502	E-5	Q406	G-13	Q1002	E-10	D529	I-8
IC503	H-7	Q407	E-9	Q1003	A-6	D530	E-1
IC504	I-7	Q408	F-11	Q1004	B-5	D531	E-1
IC505	A-4	Q409	F-11	Q1005	A-4	D801	H-10
IC1001	C-6	Q410	G-12	Q1006	B-4	D802	H-10
		Q411	B-11	D1001	E-10	D1002	E-10
		Q412	B-13	D1003	E-10	D1010	A-6
		Q413	D-8	D1011	B-4	D1012	A-5
		Q414	H-13	D1013	B-5	D1014	B-11
		Q415	B-10	D302	C-11		
		Q416	B-10	D303	A-9		
		Q501	C-2	D304	C-12		
		Q502	E-3	D305	B-11		
		Q503	H-2	D306	C-11		
		Q504	H-2	D307	C-7		
		Q505	I-13	D308	G-13	RV002	E-13
		Q506	I-11	D309	A-8	RV003	B-11
		Q507	I-10	D311	A-9	RV004	B-11
		Q508	I-10	D312	A-9	RV005	H-13
		Q509	I-13	D313	B-12	RV006	C-7
		Q510	C-11	D314	A-12	RV007	C-7
		Q511	I-11	D400	F-8	RV501	G-5
		Q512	C-11	D401	D-9	RV502	C-5
		Q513	B-11	D402	E-9	RV503	I-1
		Q514	A-9	D403	A-10	RV504	J-2
		Q515	D-9	D404	A-10	RV505	I-2
		Q516	C-12	D405	A-10	RV506	I-2
		Q517	C-12	D501	G-4	RV507	I-3
		Q518	H-12	D502	G-2	RV508	I-3
		Q519	B-9	D503	F-3	RV509	I-2
		Q520	B-9	D504	F-1	RV510	J-1
		Q521	B-9	D505	E-1	RV511	J-2
		Q522	B-8	D506	E-3	RV512	J-3
		Q523	B-7	D507	C-3	RV513	J-3
		Q524	B-7	D508	B-1	RV514	G-6
		Q525	B-7	D509	G-3	RV550	J-2
		Q526	C-8	D510	I-4		
		Q527	C-8	D511	D-4		
		Q528	C-9	D512	C-4		
		Q529	H-8	D513	E-6		

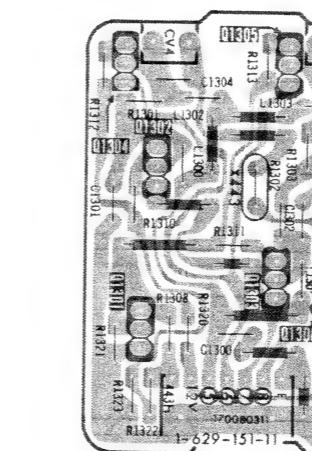
— Y Board — (PVM-1342Q, 1343MD)



— W Board —



— XA Board —

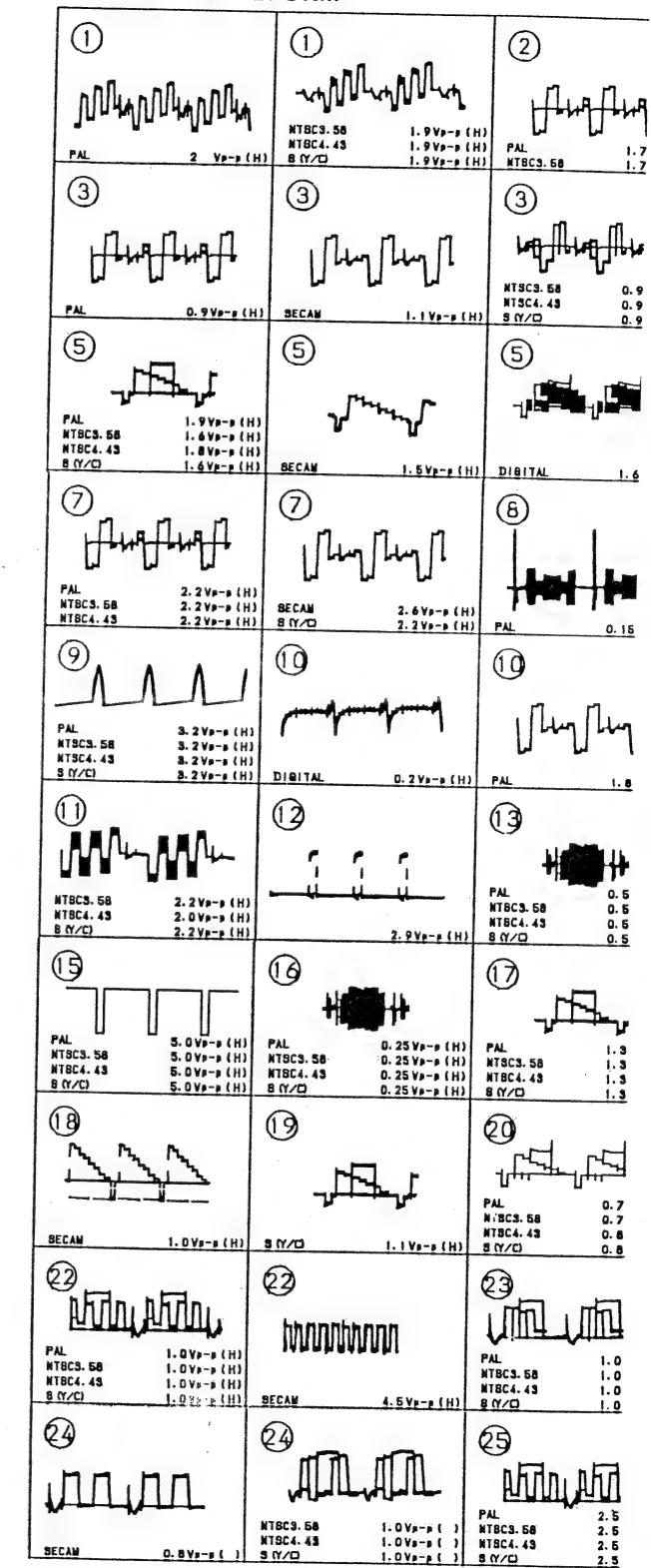


**W** [3.58/4.43 DISTINCTION]

**XA** [CRYSTAL OSC]

**Y** [50/60 DISTIN]

A BOARD WAVEFORM

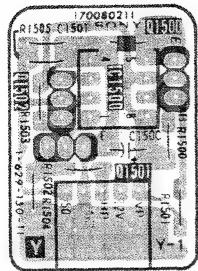


**W** [3.58/4.43]  
DISTINCTION

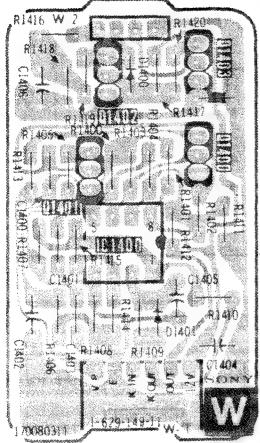
**X**A [CRYSTAL]  
OSC

50/60  
DISTINCTION

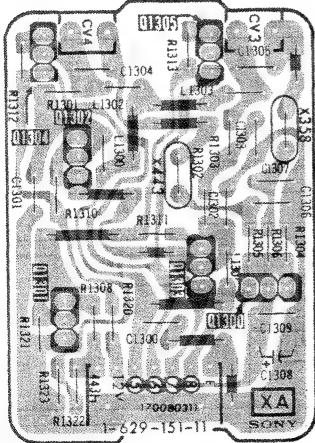
– Y Board – (PVM-1342Q, 1343MD)



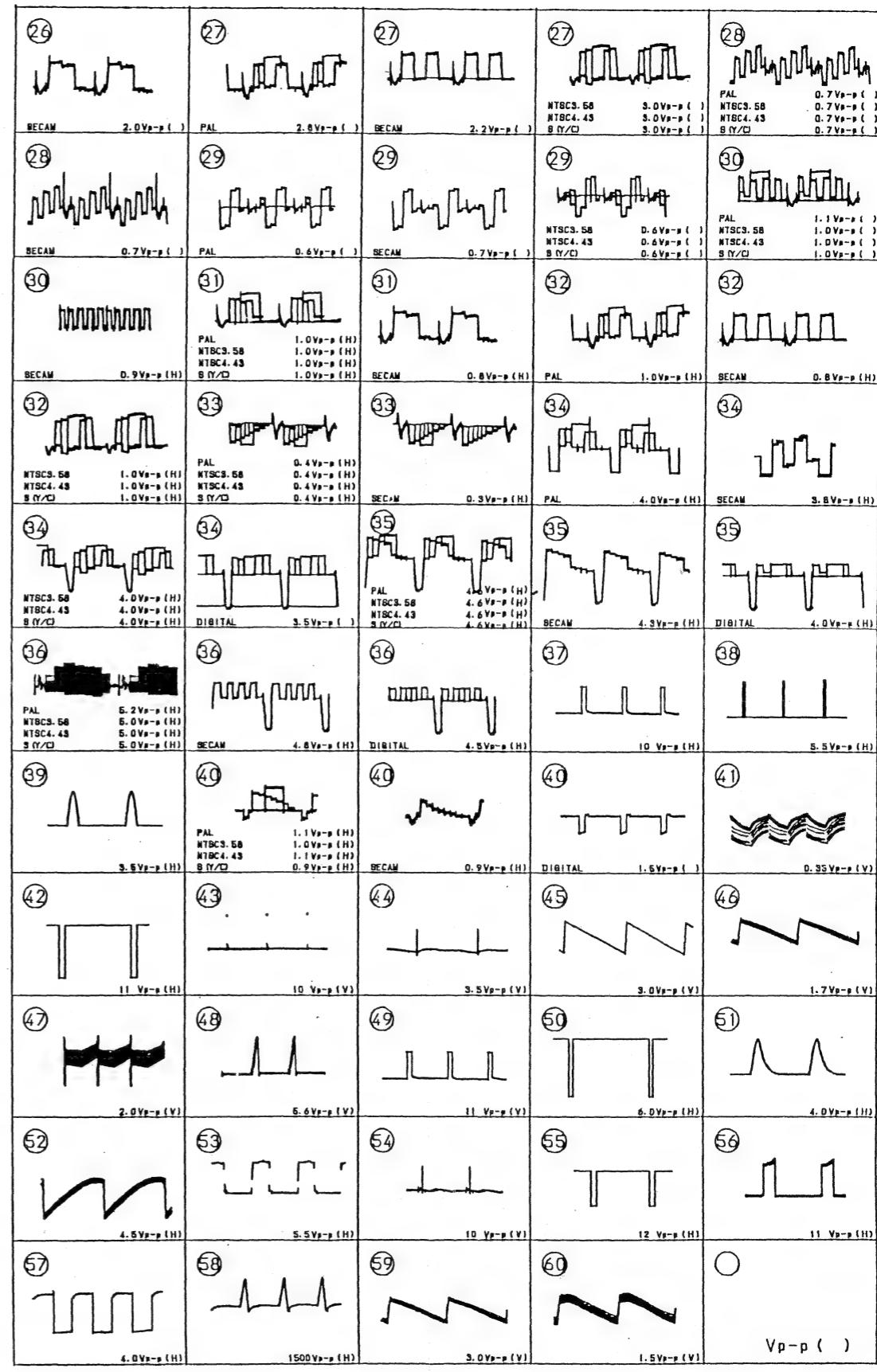
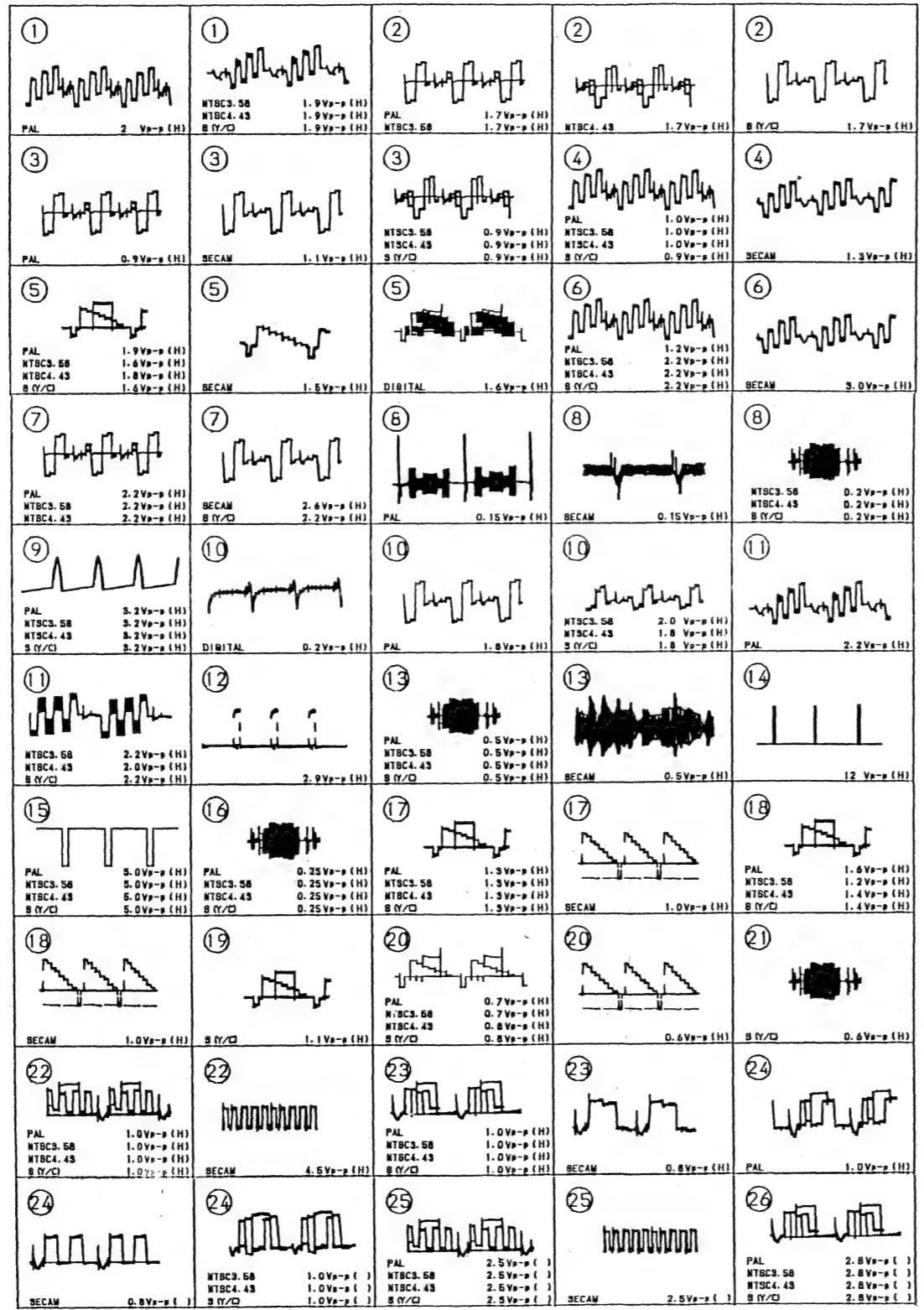
- W Board -



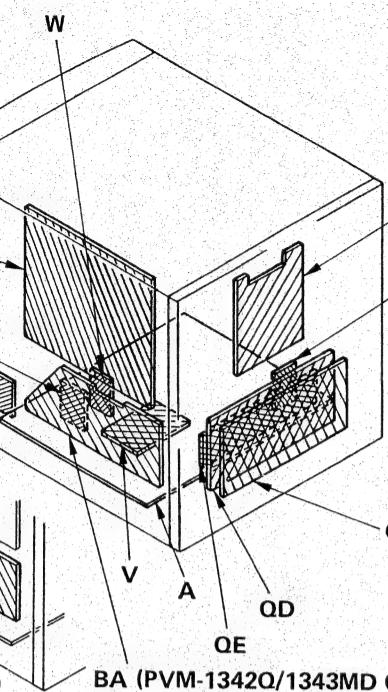
- XA Board -



## A BOARD WAVEFORM



1



2

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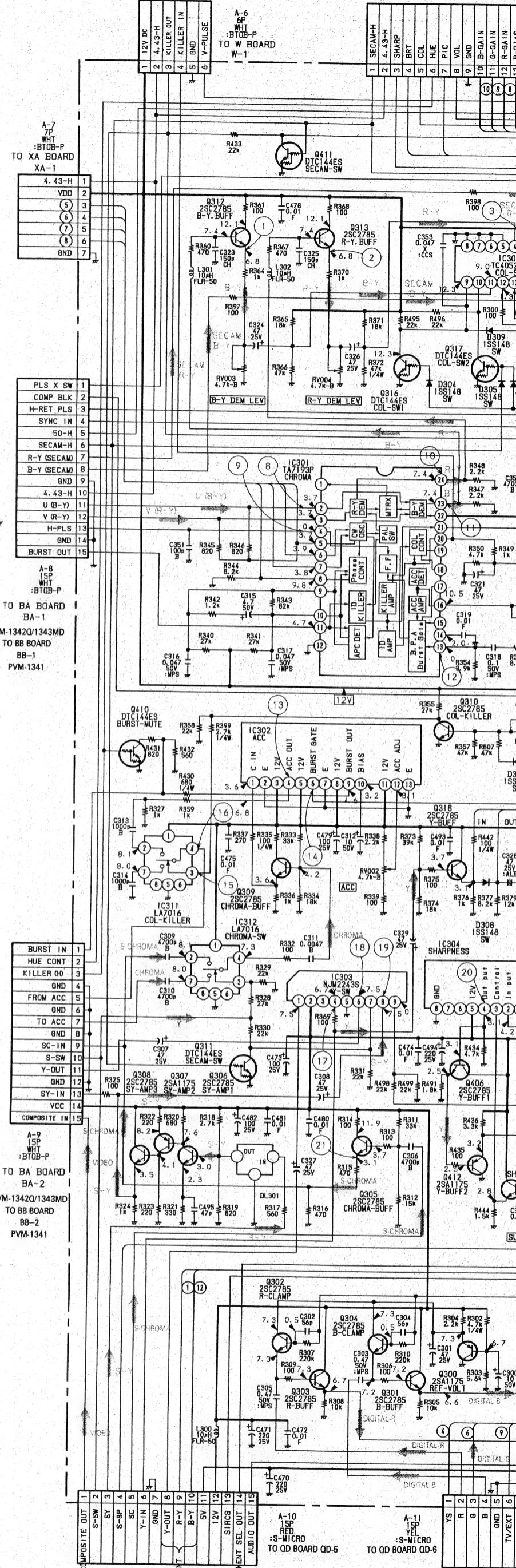
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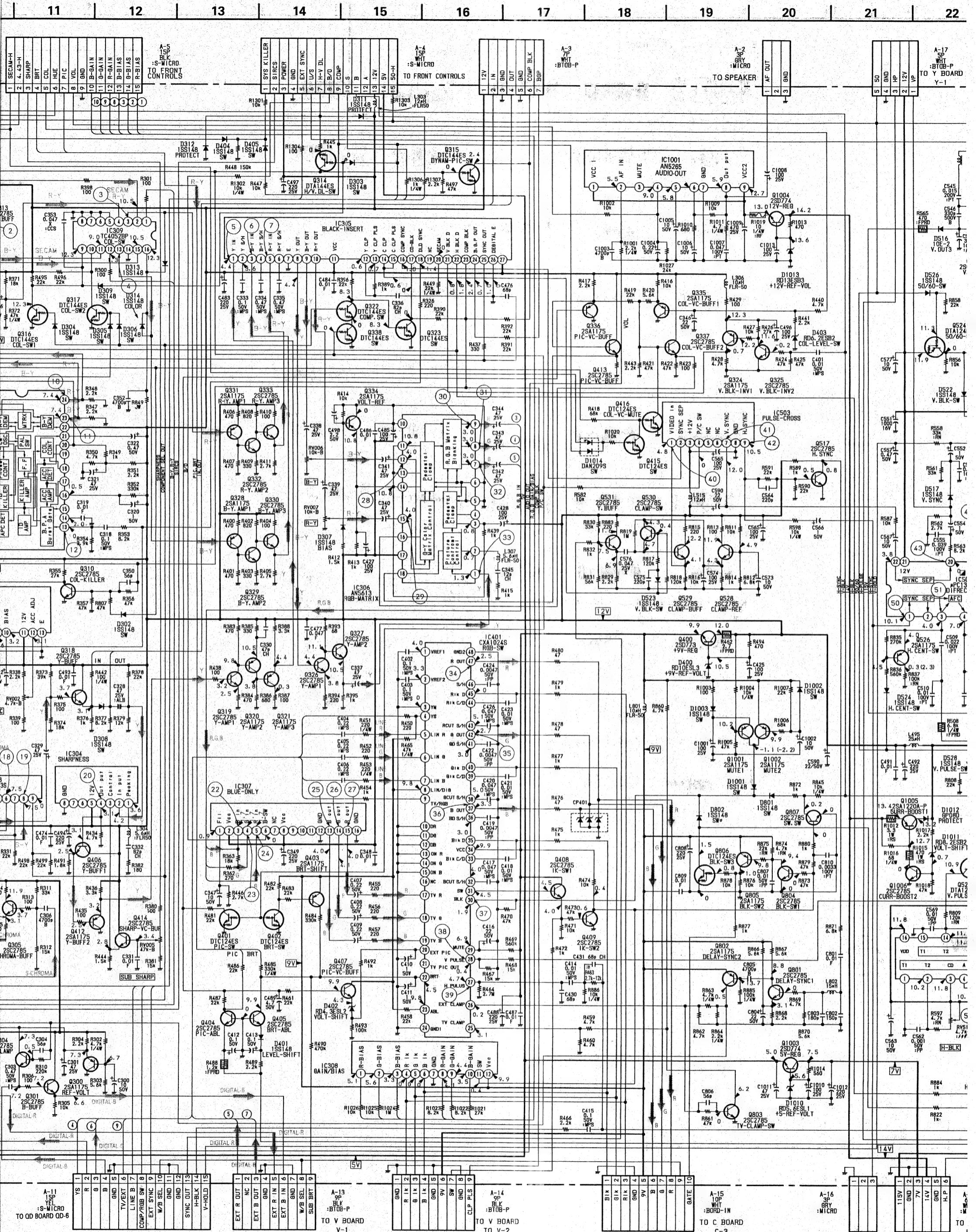
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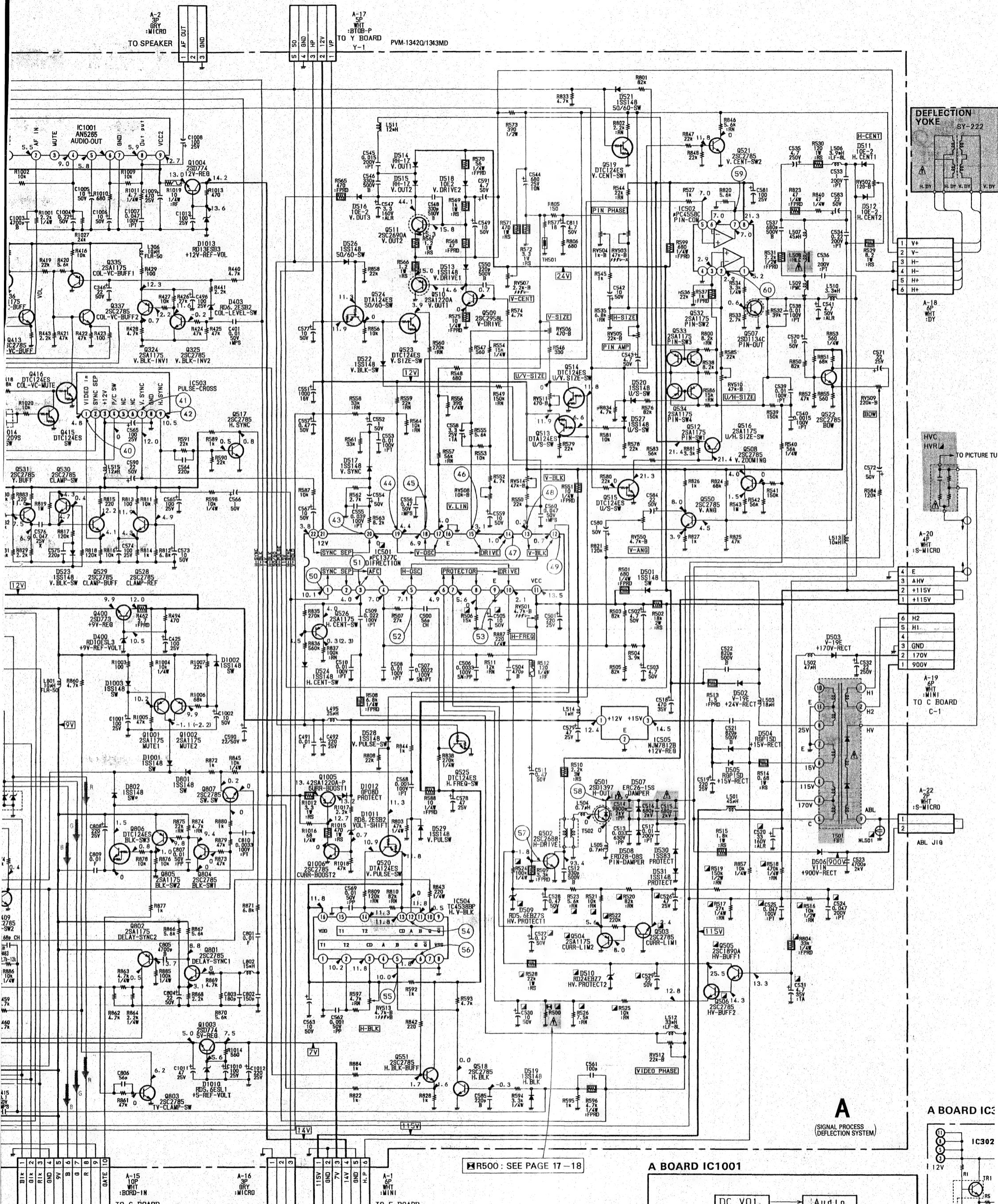
- A**
- All capacitors are in  $\mu\text{F}$  unless otherwise noted.
  - $\mu\text{F}$ :  $\mu\text{F}$  50 WV or less are not indicated except for electrolytics.
  - Indication of resistance, which does not have one for rating electrical power, is as follows.
- B**
- Pitch : 5 mm  
Rating electrical power 1/4W
- C**
- All resistors are in ohms.
  - : nonflammable resistor.
  - : fusible resistor.
  - : internal component.
  - : panel designation.
  - All variable and adjustable resistors have characteristic curve B, unless otherwise noted.
  - The components identified by in this basic schematic diagram have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.
  - When replacing components identified by , make the necessary adjustments indicated. If results do not meet the specified value, change the component identified by and repeat the adjustment until the specified value is achieved. (Refer to R500 and R690 adjust on page 17 and 18)
  - When replacing the part in below table be sure to perform the related adjustment.
- | Part replaced (■)   | Adjustment (□)   |
|---|------------------|
| IC601, IC602, IC651, D654, D655, C658, C659, R634, R652, R653, R654, R655, R656, R657, R665, R671, R690, RV601  | R690 (B+ MAX)    |
| IC501, Q503, Q504, Q505, Q506, D509, D510, C505, C520, C524, C525, C526, C527, C528, C529, C530, C531, R500, R506, R516, R517, R518, R519, R520, R521, R522, R523, R524, R525, R526, R528, R804, NL501, HVR | R500 (HOLD-DOWN) |
- D**
- All voltages are in V.
  - Voltage are dc with respect to ground unless otherwise noted.
  - Readings are taken with a color-bar signal input.
  - Readings are taken with a PAL color-bar signal input.
  - : adjustment for repair.
  - Voltage variations may be noted due to normal production tolerance.
  - : B+ bus.
  - : B- bus.
  - : signal path.
  - No mark : with PAL color-bar signal received or common voltage.
  - ( ) : with SECAM color-bar signal received.
  - < > : with NTSC 3.58 color-bar signal received.
  - (( )) : with NTSC 4.43 color-bar signal received.
  - [ ] : with S (Y/C) color-bar signal received.
  - [ ] : with digital (9 pin in) color-bar signal received.
  - \* : measurement impossibility.
- E**
- Reference information
- RESISTOR : RN METAL FILM  
: RC SOLID  
: FPRD NONFLAMMABLE CARBON  
: FUSE NONFLAMMABLE FUSIBLE  
: RS NONFLAMMABLE WIREWOUND  
: RB NONFLAMMABLE CEMENT  
COIL : LF-8L MICRO INDUCTOR  
CAPACITOR : TA TANTALUM  
: PS STYROL  
: PP POLYPROPYLENE  
: PT MYLAR  
: MPS METALIZED POLYESTER  
: MPP METALIZED POLYPROPYLENE  
: ALB BIPOLAR  
: ALT HIGH TEMPERATURE  
: ALR HIGH RIPPLE

Note: The components identified by shading and mark are critical for safety. Replace only with part number specified.

Note: Les composants identifiés par un trame et une marque sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

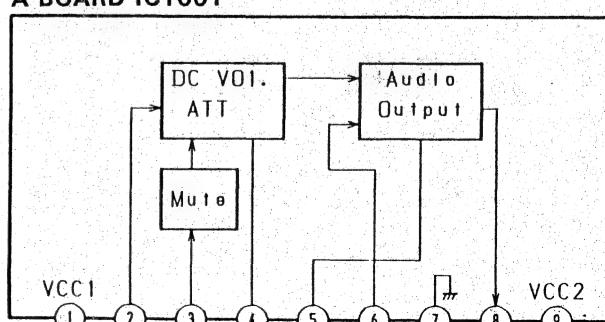




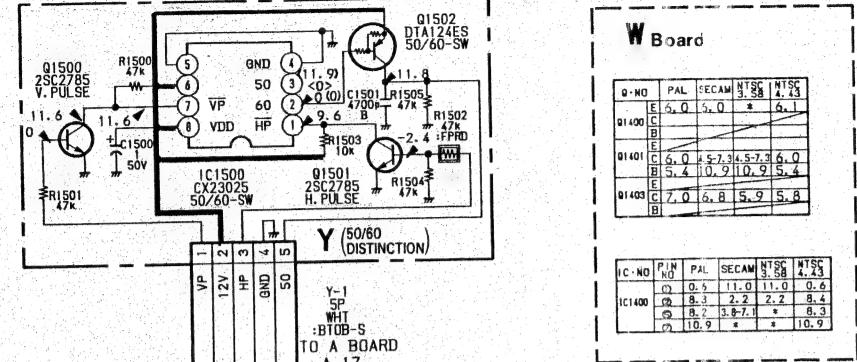


**B500 : SEE PAGE 17-18**

A BOARD IC1001



**(Y Board: PVM-1342Q, PVM-1343MD Only)**



## W Board

S-NO	PAL	SECAM	NTSC 3.58	NTSC 4.43
	E 6.0	S 5.0	*	E 6.1
1400	C	B		
	E			
1401	C 6.0	A 5.2	3.4-5.7.3	E 6.0
	B 5.4	O 10.9	10.9	S 5.4
1403	E			
	B			
	C 7.0	S 6.8	5.9	S 5.8
	B			

C-NO	PIN NO	PAL	SECAM	NTSC 3.58	NTSC 4.43
	①	0.6	11.0	11.0	0.6
	②	8.3	2.2	2.2	8.4
C1400	③	8.2	3.8-7.1	*	8.3
	④	10.9	*	*	10.9

W  
3.58/4.43

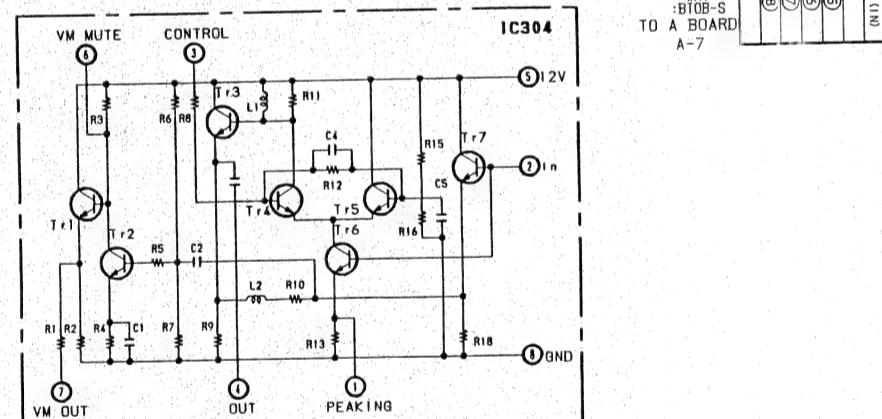
— XA Board

Q-NR	PAL	SECAM	NTSC A, 23	S-VIDEO	DIGITAL
Q1301	E B	10.3 0	* *	10.3 5.9	0 *
Q1302	C B	E 4.2	*	4.2 4.2	— —
Q1304	C B	E 4.1	*	3.9 0	— *
Q1305	C			— —	

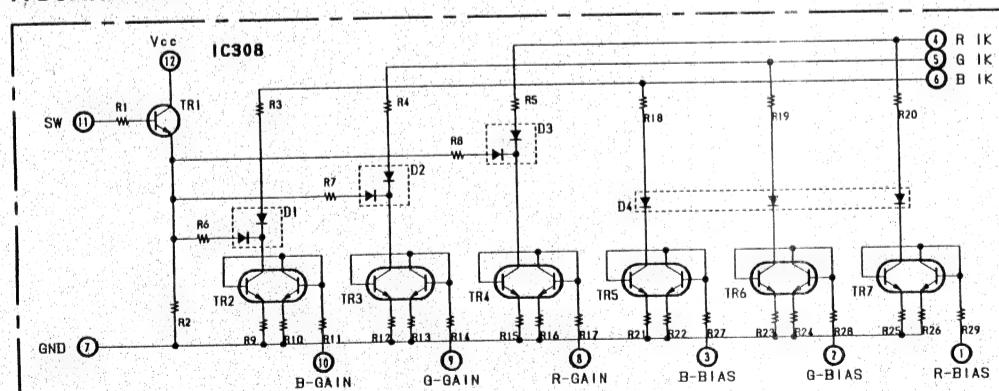
Q1301  
C144ES  
ELECT-SW

KA  
RYSTAL

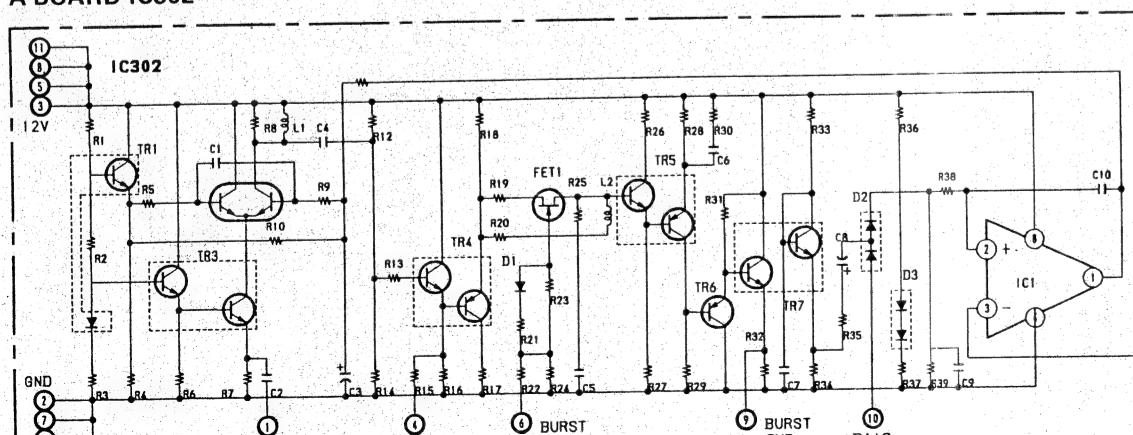
A BOARD IC304



A BOARD IC308

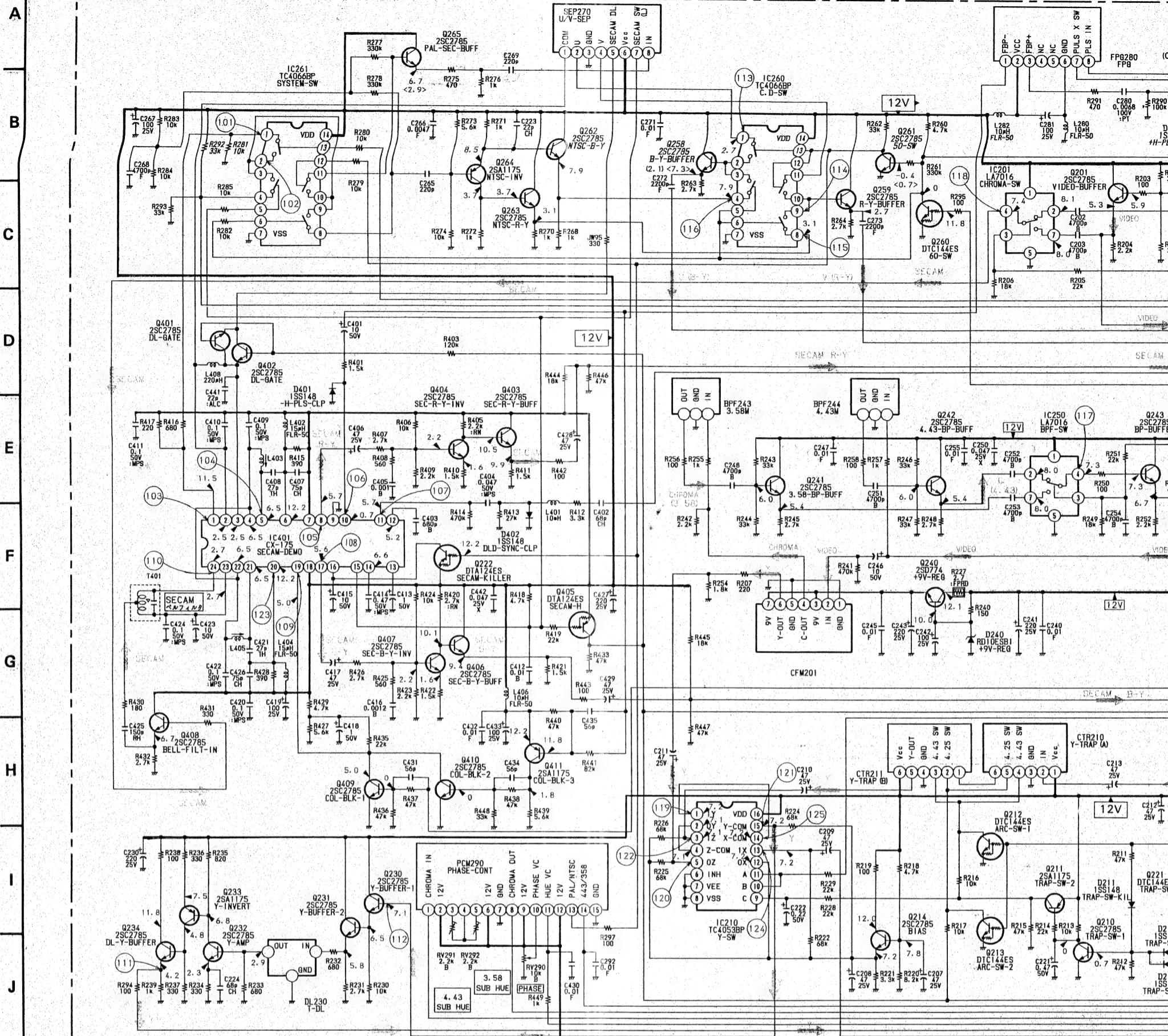


A BOARD IC302

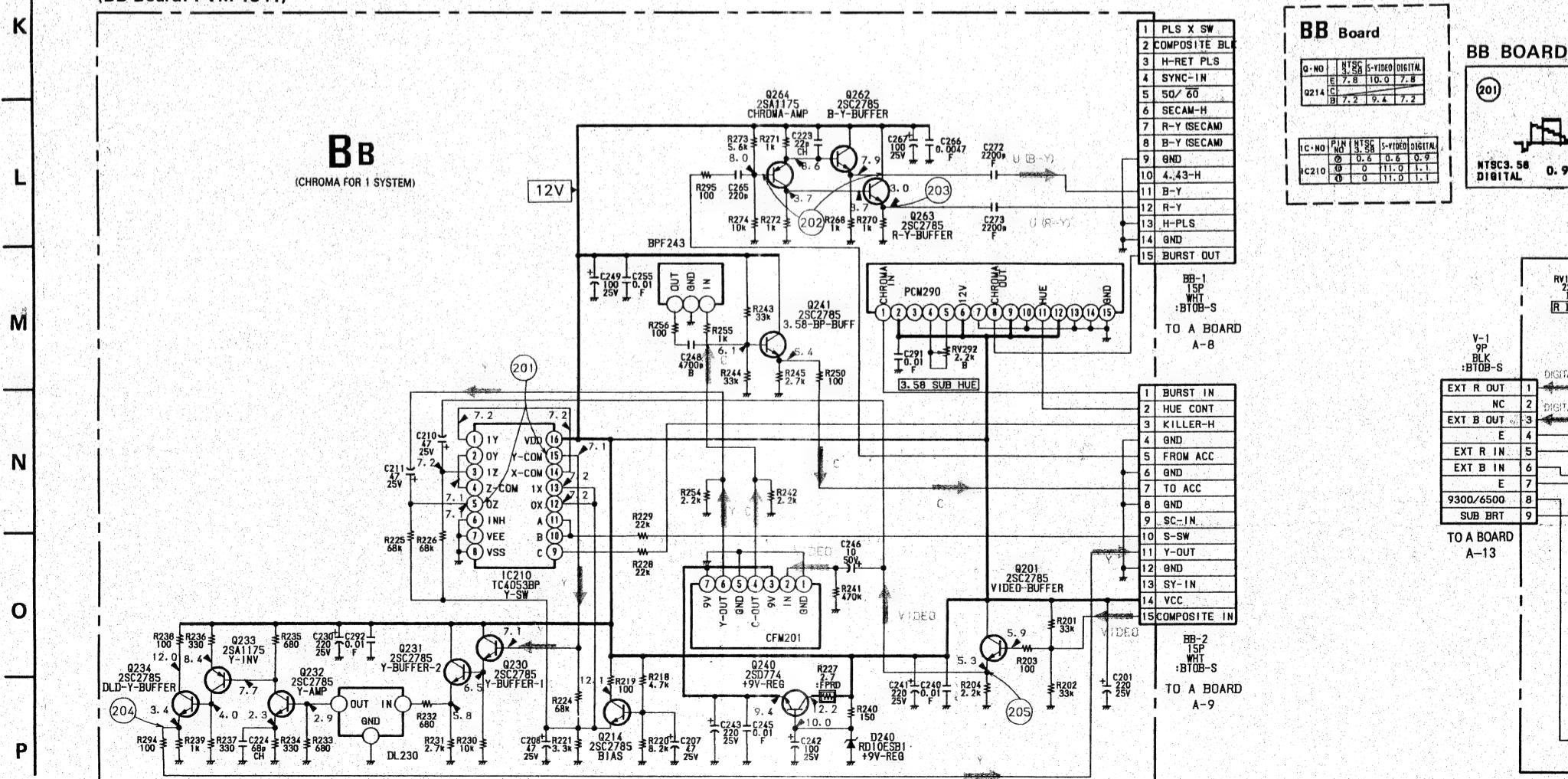


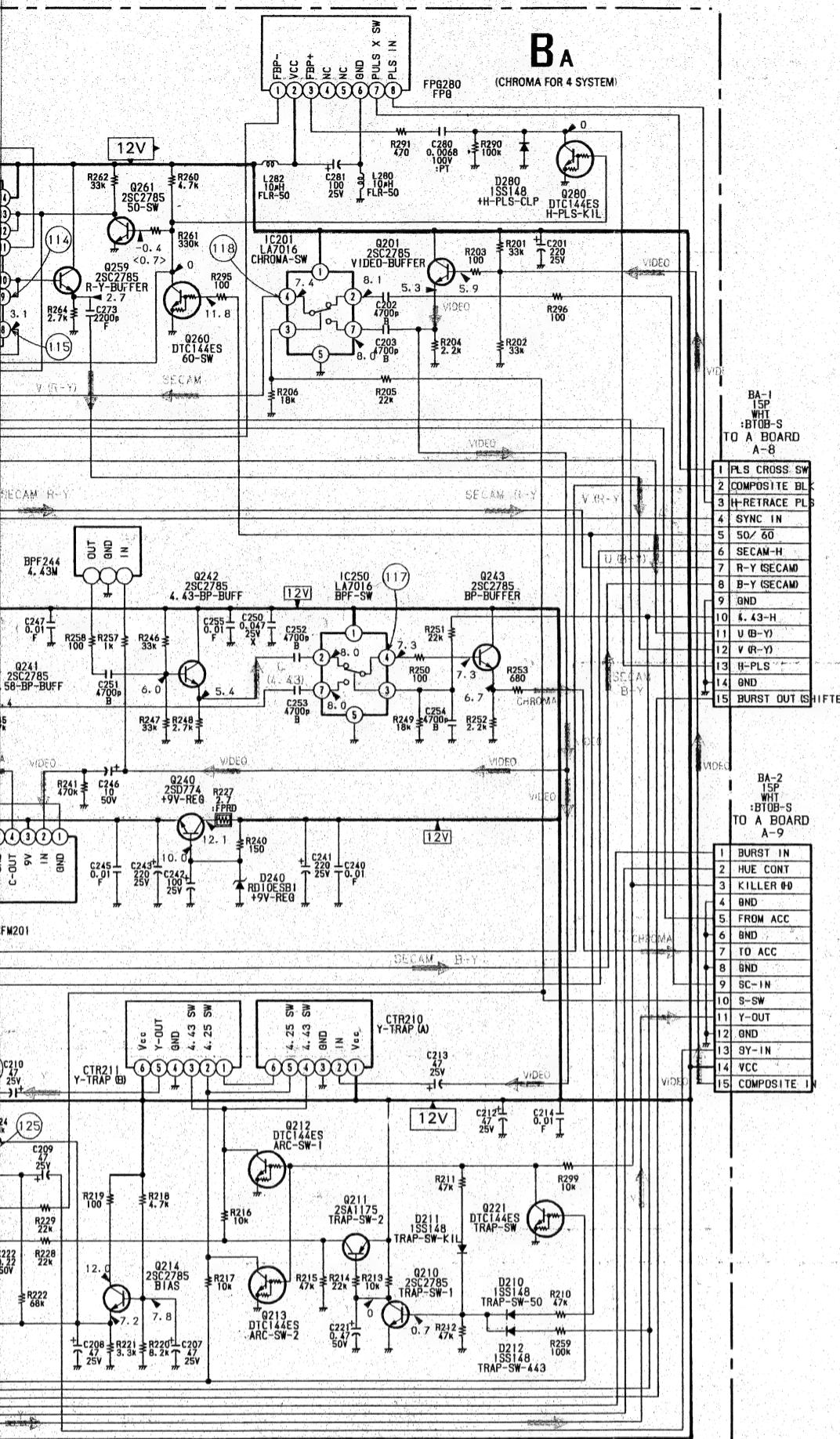
4-

(BA Board: PVM-1342Q, 1343MD)



(BB Board: PVM-1341)



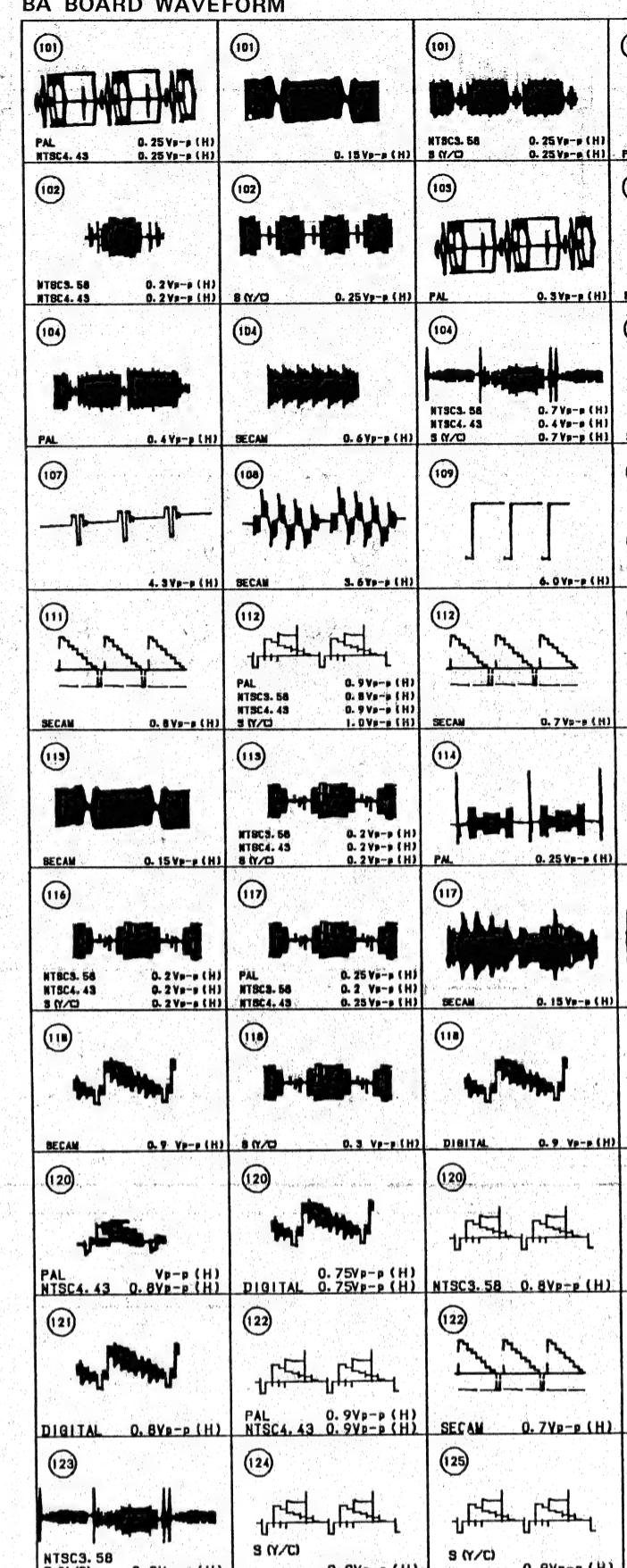


B4

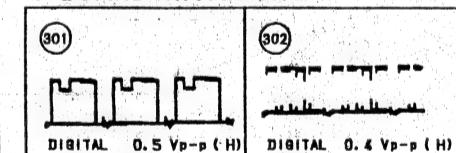
Q-NQ	PAL	SECAM	NTSC 3.58	NTSC 4.43	NTSC-15-FIELD	DIGITAL
Q211	E	C 12.2 12.2 0 12.2				
	B	11.6 11.6 12.2 11.6				
Q212	E	C 5.5 5.5 0 5.5				
	B	0.5 0 0 11.5				
Q213	E	C 0 5.9 0 0				
	B	0.5 0 0.5 11.5				
	E					
Q214	C	0 0 0.5 0.5	0.5	0.5	6.9	
	B	1.0 12.2 0 0	0	-	0	
	E					
Q25B	E	C 2.6 2.7 7.9 7.9	7.9	7.9	7.9	
	E					
Q259	C	B 3.3 3.4 3.1 3.1	3.3	3.1		
	E					
Q261	C	C 12.2 3.4 3.1 3.1	3.3	3.1		
	B					
Q280	E	C 0 0 10.9 10.9				
	E					
Q282	C	7.6 6.9 12.2 12.7	12.2	12.2	12.2	
	B					
Q401	E	C 0 2.6 0				
	B					
Q402	E	C 0 0 0 0				
	B	0 3.1 0				
Q405	E	C 0 12.2 0 0				
	B	11.3 6.1 11.3 11.3				
Q408	C	C 0 0 0 0				
	B					

BA Board

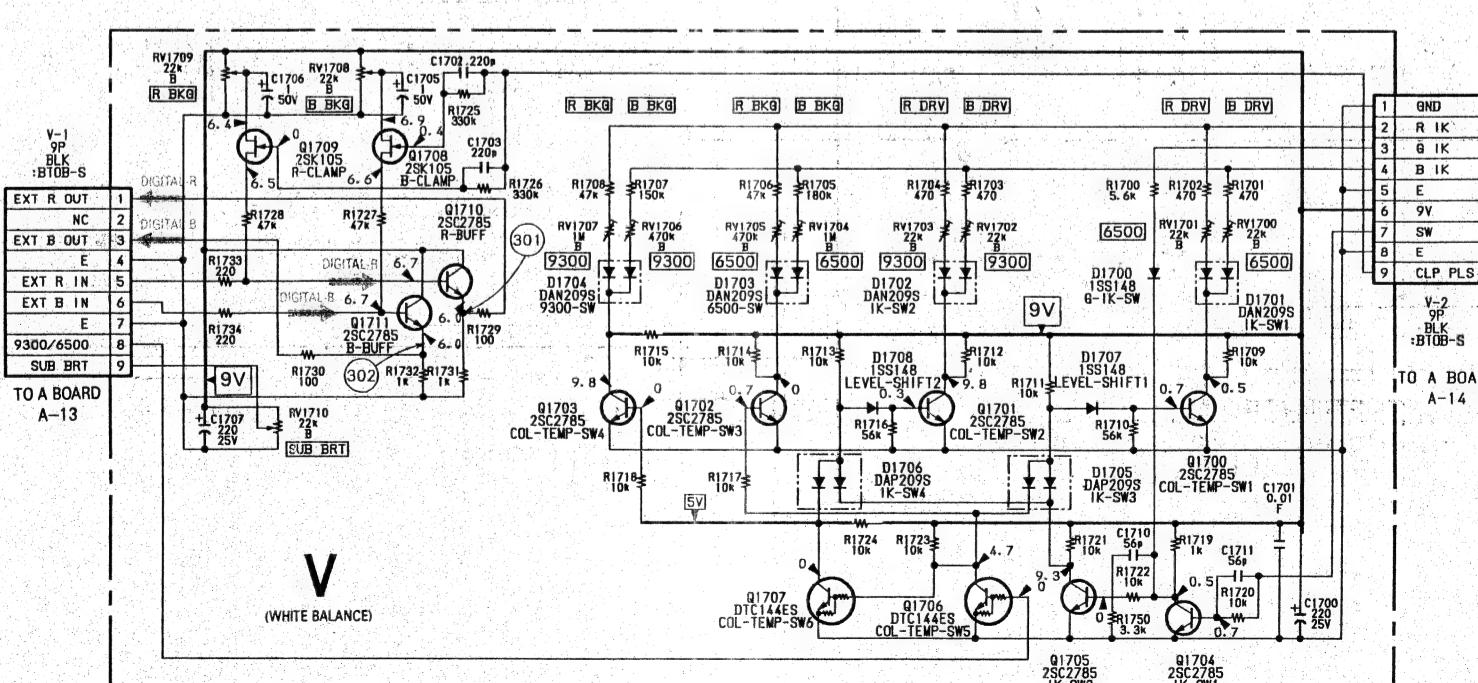
IC-Nr	PIN	PAL	SECAM	NTSC 3.58	NTSC 4.43	S-VIDEO
[IC210]	①	0	0	0	10.0	11.0
[IC210]	②	0	0	0	10.0	11.0
[IC250]	③	12.2	12.2	0	12.2	0
[IC201]	④	4.7	0.8-1.6	0	4.6	0
[IC260]	⑤	0	0	0	4.9	0
		2.6	2.7	7.9	7.9	7.9
[IC260]	⑥	0	0	10.9	10.9	10.9
		3.3	3.4	3.1	3.1	3.3
		12.2	12.2	0	0	0
[IC261]	⑦	10.8	10.8	10.8	10.8	10.8
		7.3	10.8	7.3	7.3	7.3
		7.3	3.4	7.3	7.3	7.3
[IC261]	⑧	0	0	10.8	10.8	10.8
		0	0	10.9	10.9	10.9
		5.9	6.0	7.3	7.3	7.3
		7.3	10.8	7.3	7.3	7.3
		7.3	0.8	3.4	3.5	3.4
		12.2	12.2	0	0	0
[IC401]	⑨	0.5	10.5	0.5	0.5	0.5
		6.0	6.0	6.0	6.0	4.7
[IC401]	⑩	10.9	0	10.8	10.8	0



#### V BOARD WAVEFORM

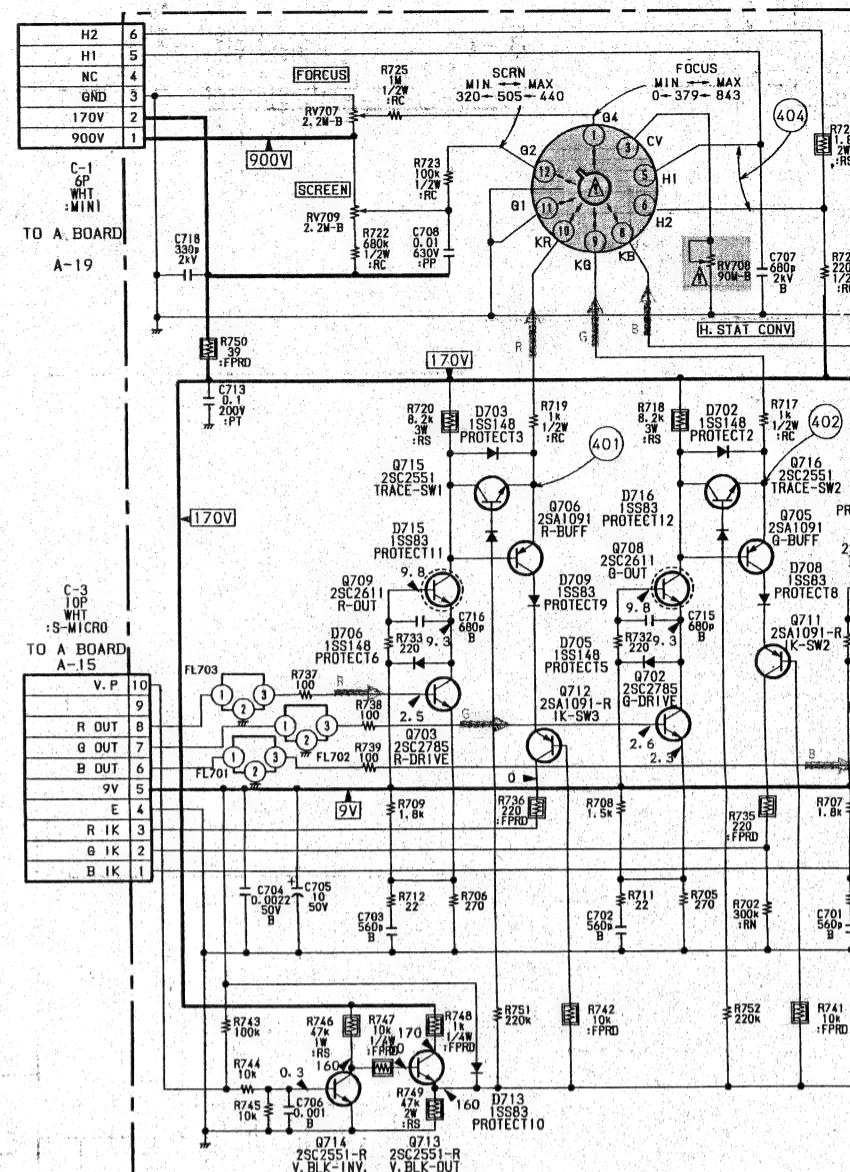
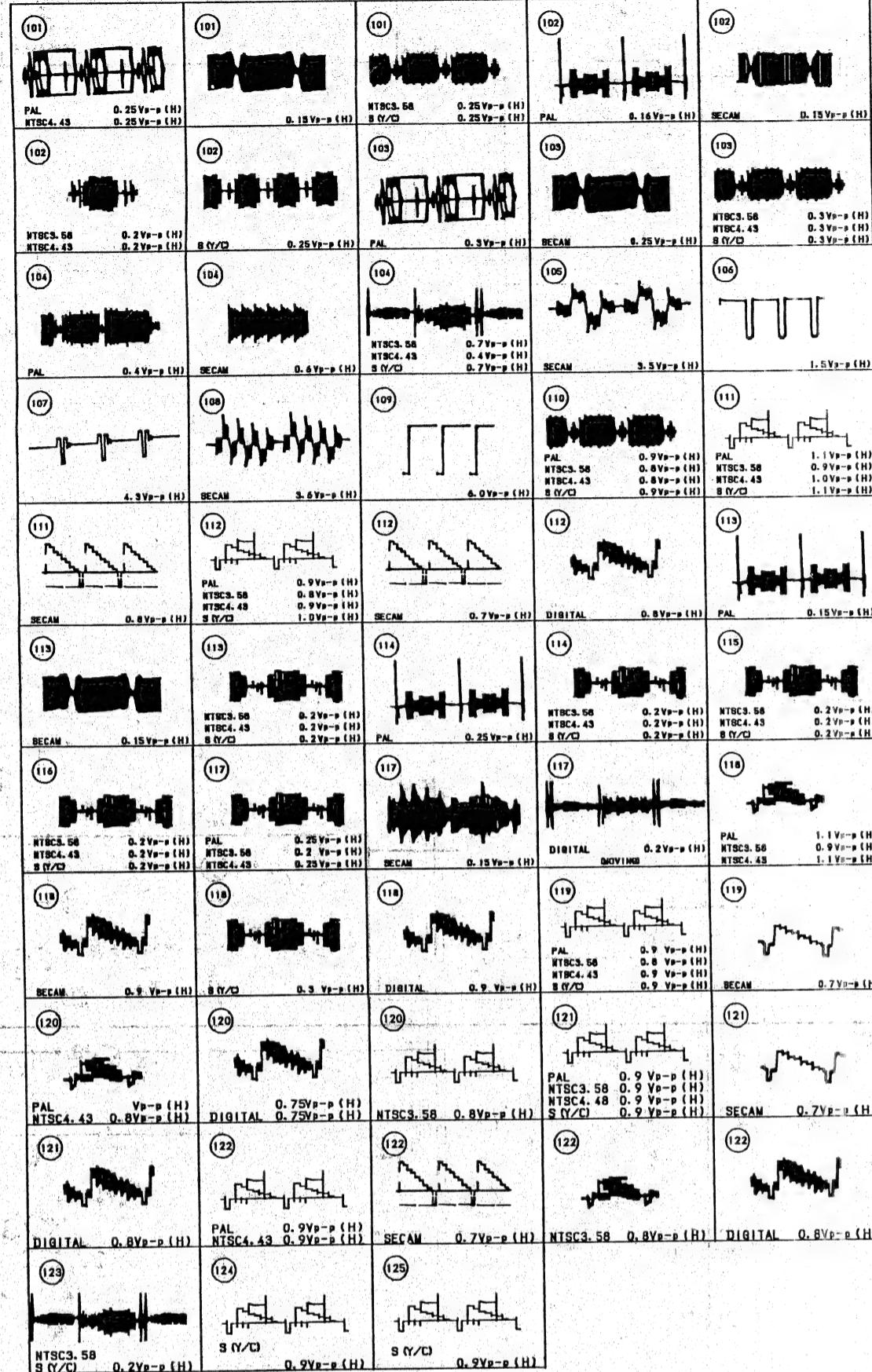


E-BOARD

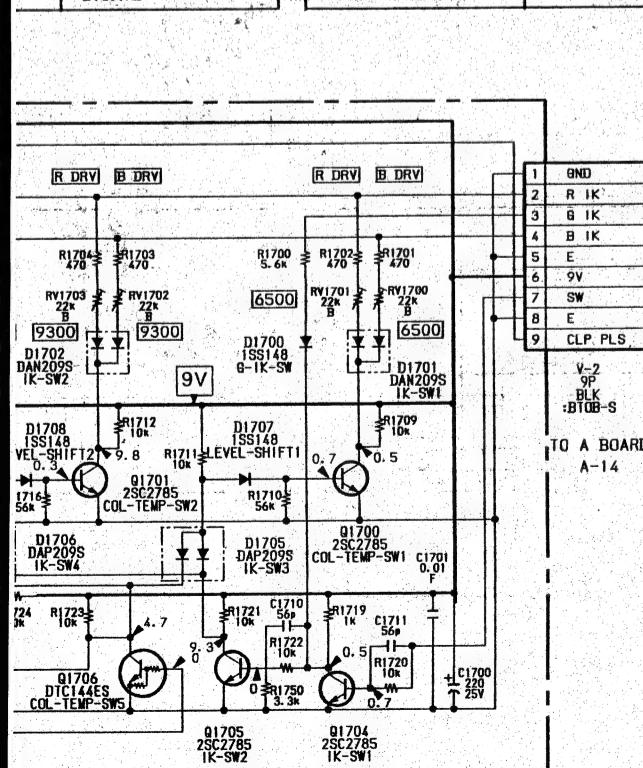
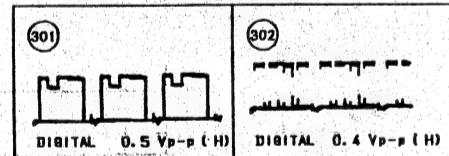


V

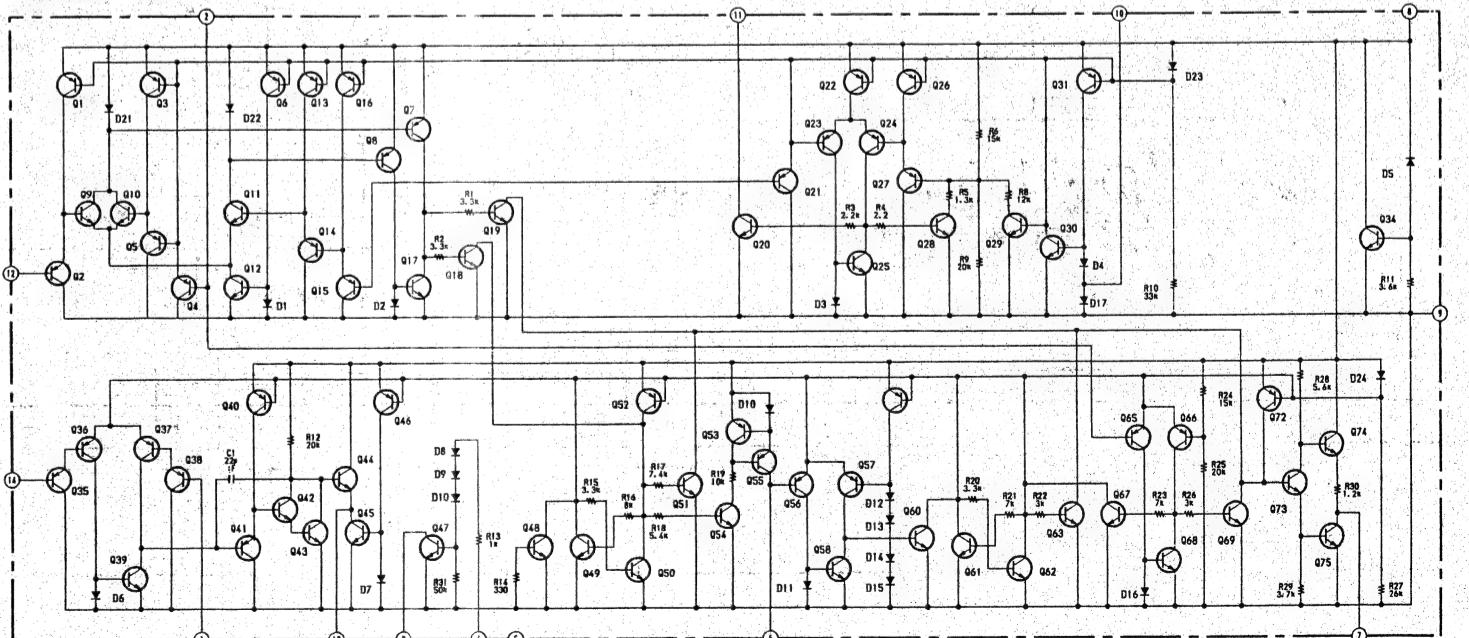
## BA BOARD WAVEFORM

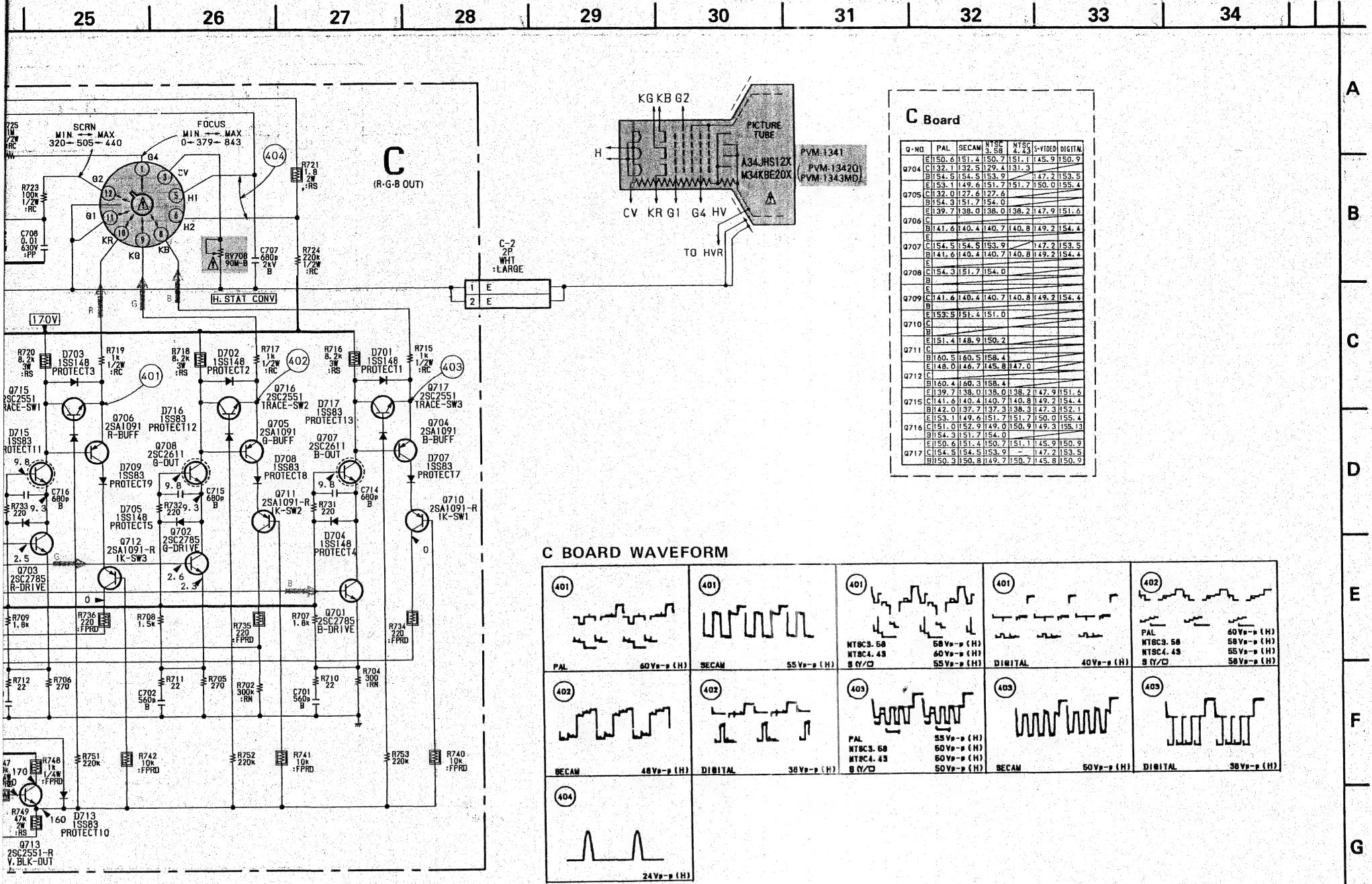


## V BOARD WAVEFORM



F BOARD IC601





**BA**

[CHROMA FOR 4 SYSTEM]

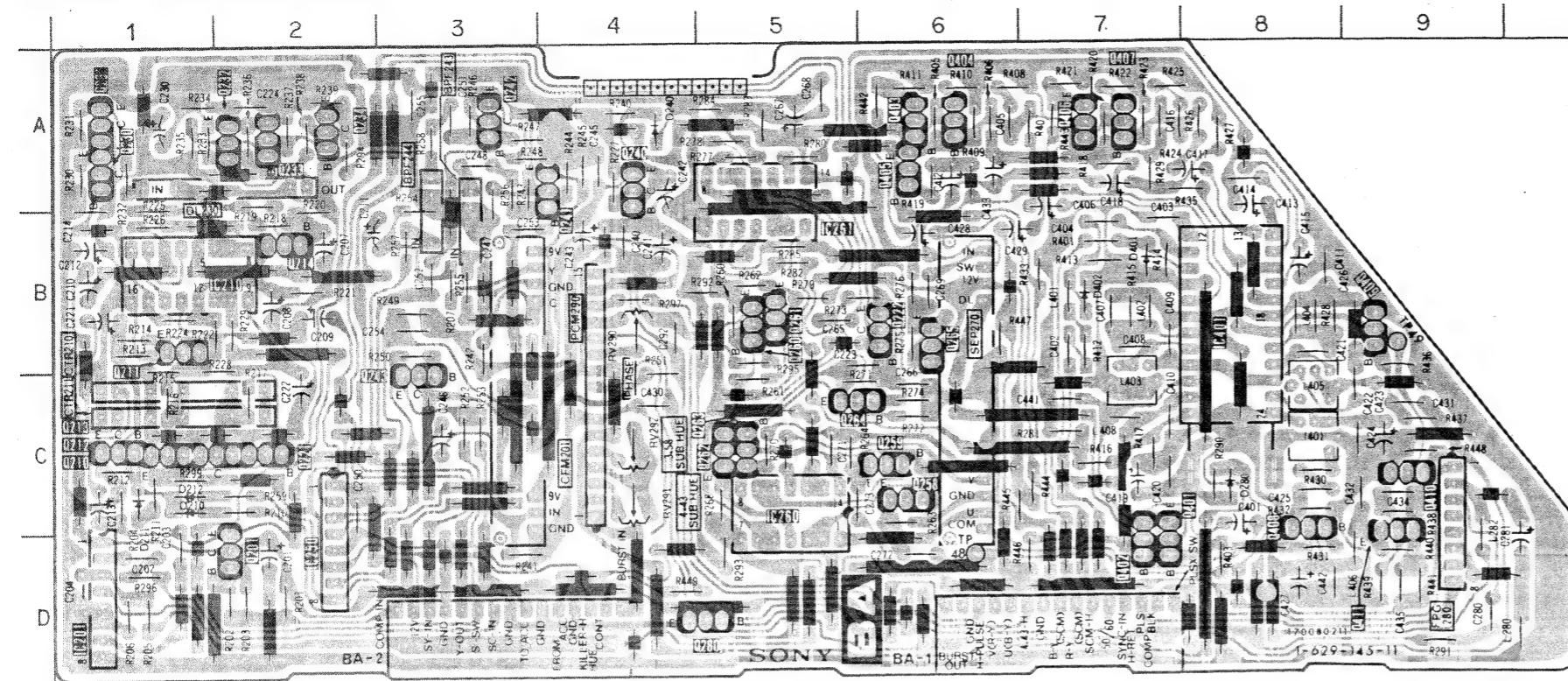
**BB**

[CHROMA FOR 1 SYSTEM]

**J**

[POWER SW]

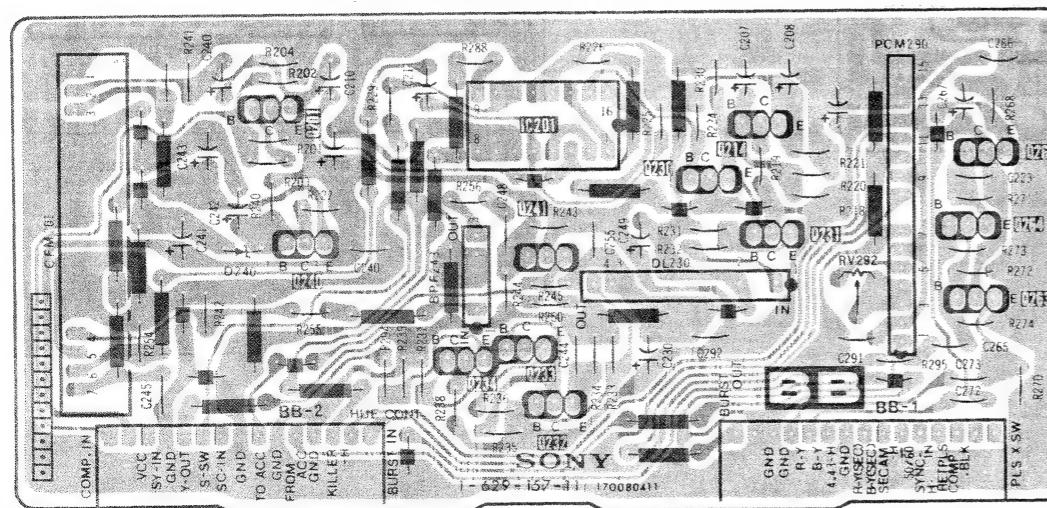
— BA Board — (PVM-1342Q, 1343MD)



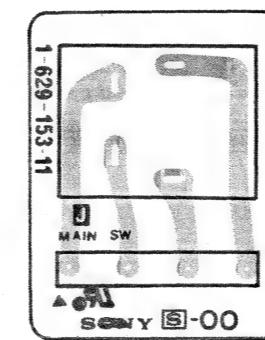
BA Board

IC	Q241	A-4	DIODE
IC201	Q242	A-3	D210 C-1
IC210	Q243	C-3	D211 C-1
IC250	Q258	C-6	D212 C-1
IC260	Q259	C-6	D240 A-4
IC261	Q260	B-5	D280 C-8
IC401	Q261	B-5	D401 B-7
	Q262	C-5	D402 B-7
	Q263	C-5	
TRANSISTOR	Q264	C-5	VARIABLE RESISTOR
Q201	Q265	B-6	RV290 B-4
Q210	Q280	D-5	RV291 C-4
Q211	Q401	D-7	RV292 C-4
Q212	Q402	D-7	
Q213	Q403	A-6	
Q214	Q404	A-6	
Q221	Q405	A-6	
Q222	Q406	A-7	
Q230	Q407	A-7	
Q231	Q408	D-8	
Q232	Q409	B-9	
Q233	Q410	C-9	
Q234	Q411	D-9	

— BB Board — (PVM-1341)



— J Board —

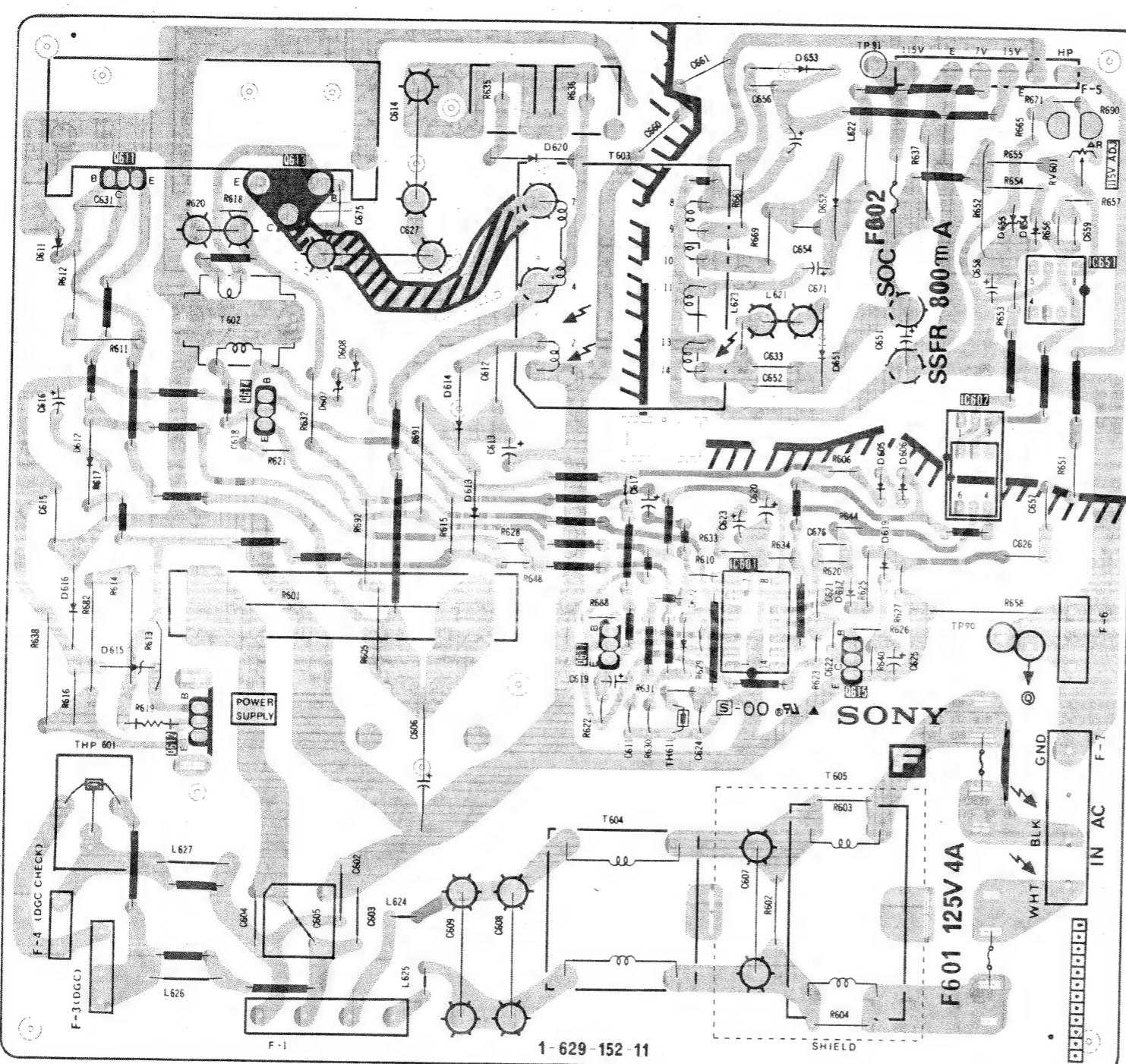


**F** [POWER]

**C** [R-G-B OUT]

**V** [WHITE BALANCE]

— F Board —

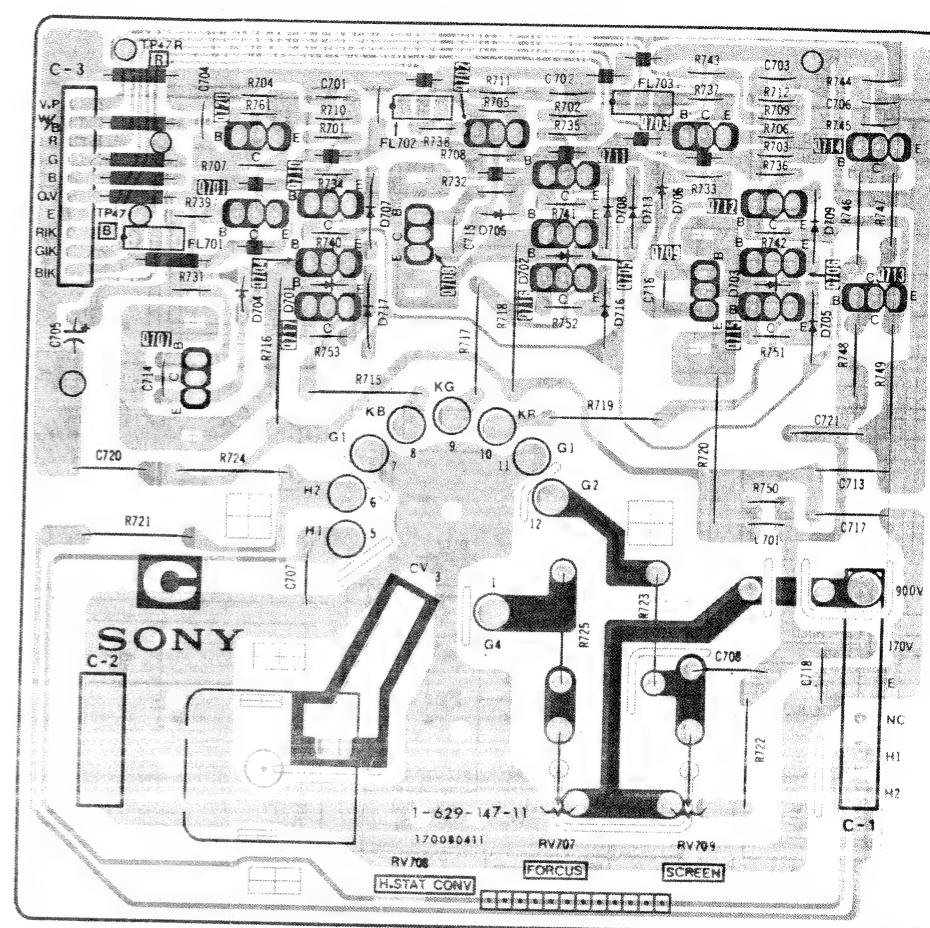


DIODE	
D210	C-1
D211	C-1
D212	C-1
D240	A-4
D280	C-8
D401	B-7
D402	B-7

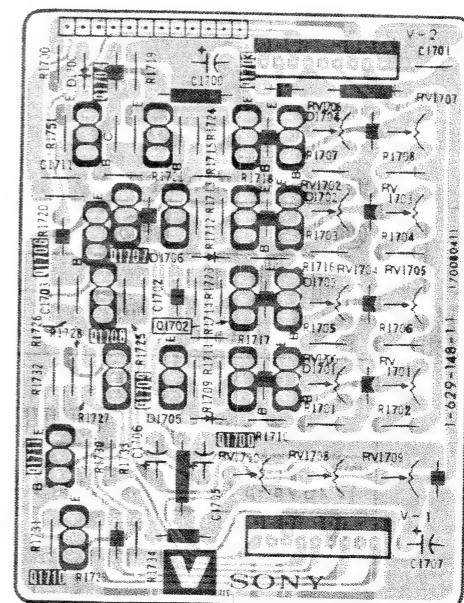
VARIABLE RESISTOR

RV290	B-4
RV291	C-4
RV292	C-4

— C Board —

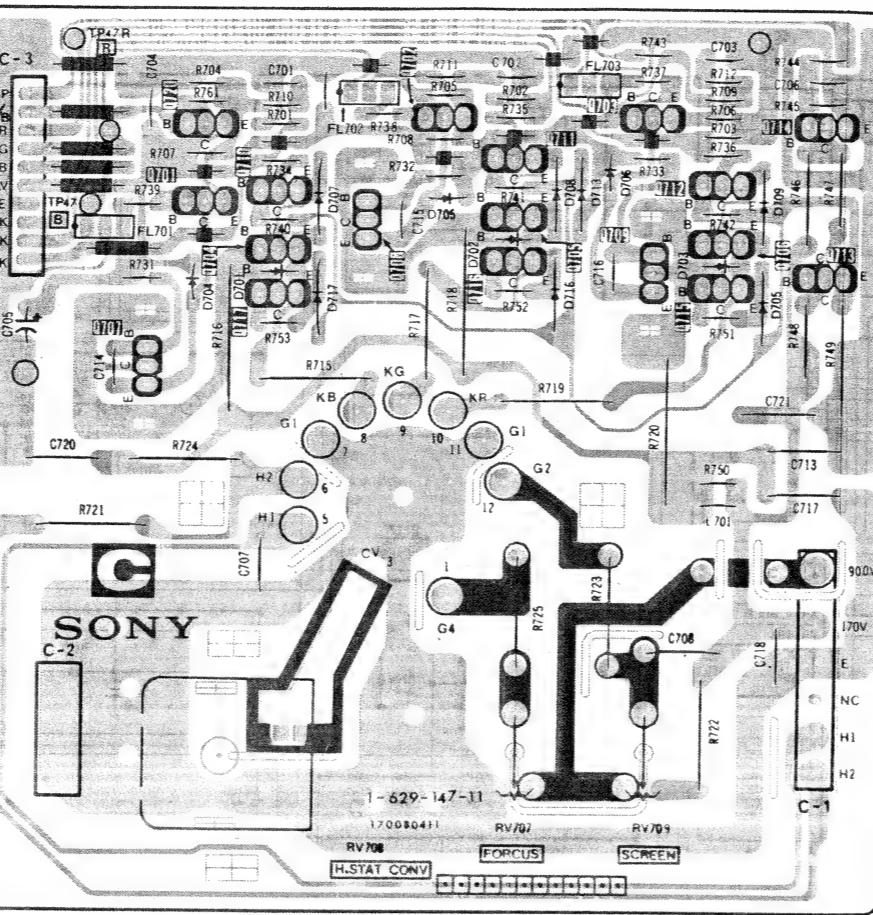
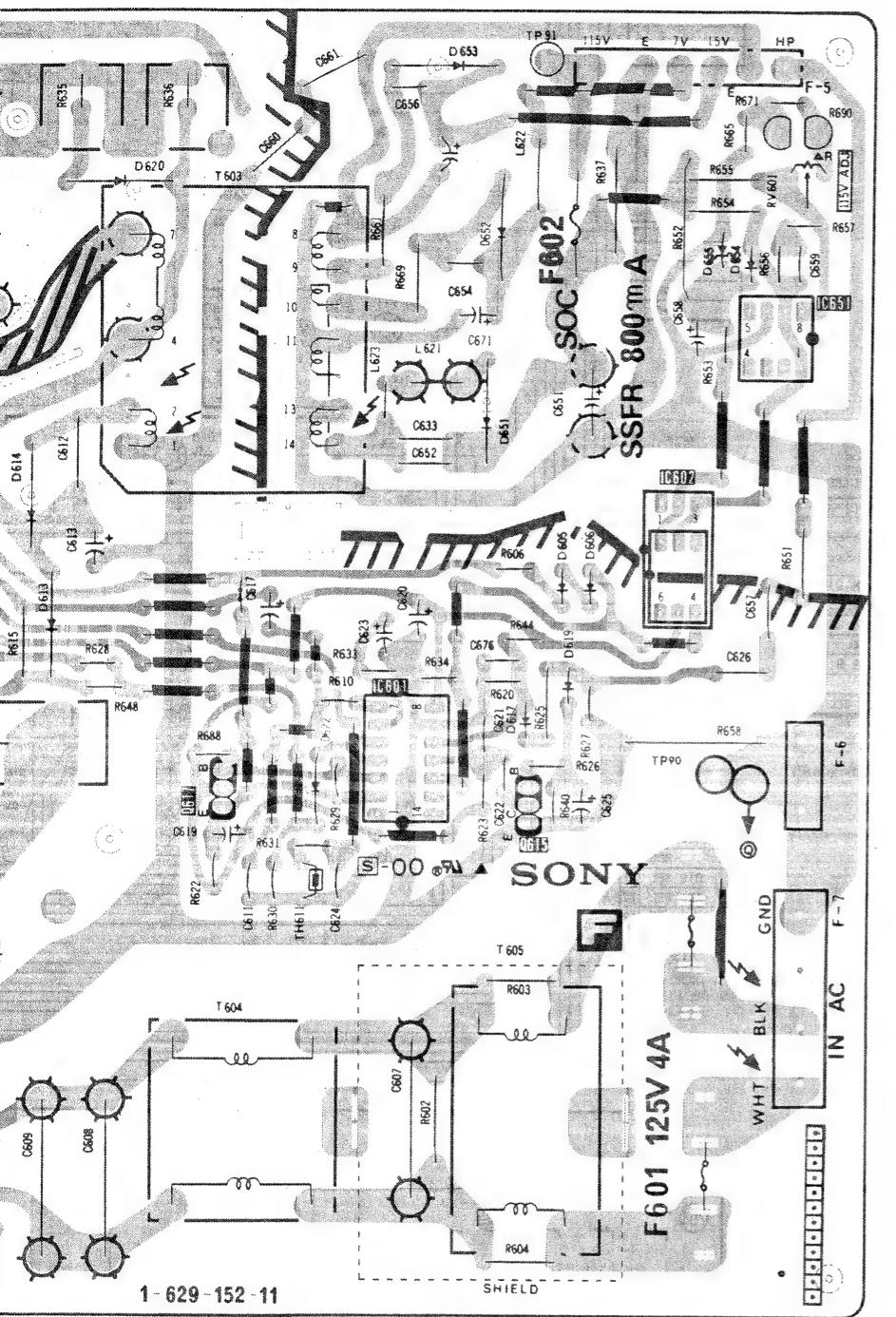


— V Board —

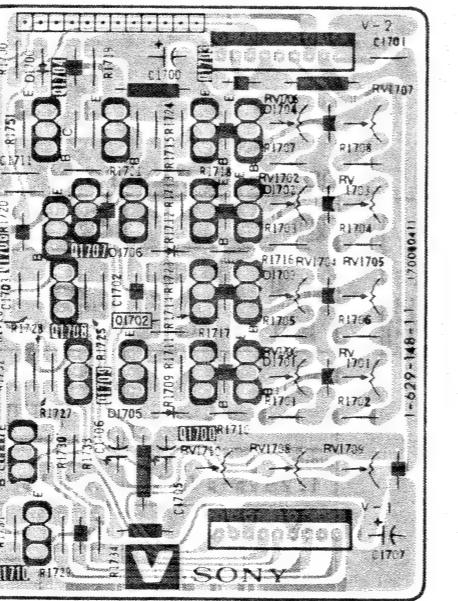


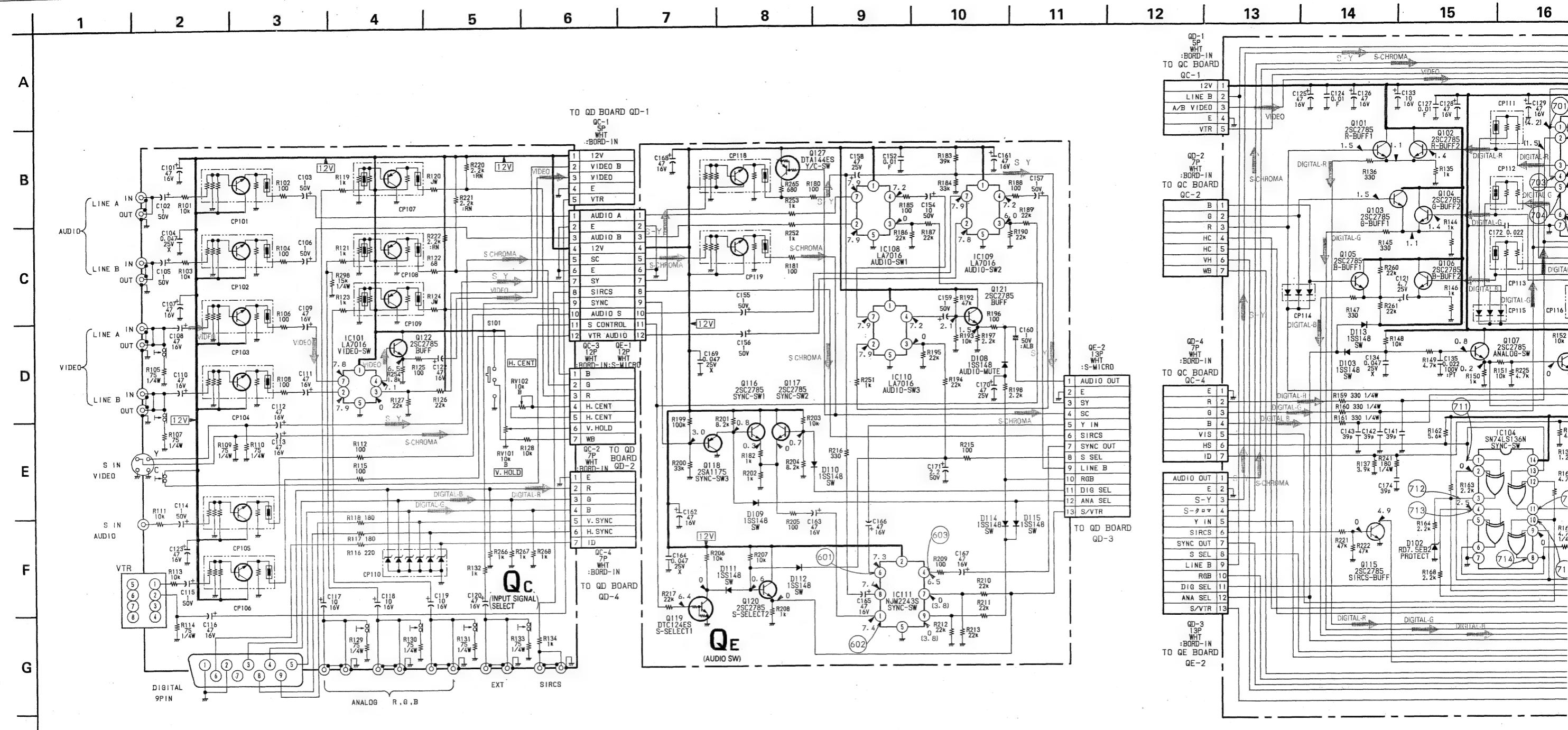
**F** [POWER]**C** [R·G·B OUT]**V** [WHITE BALANCE]

## — C Board —

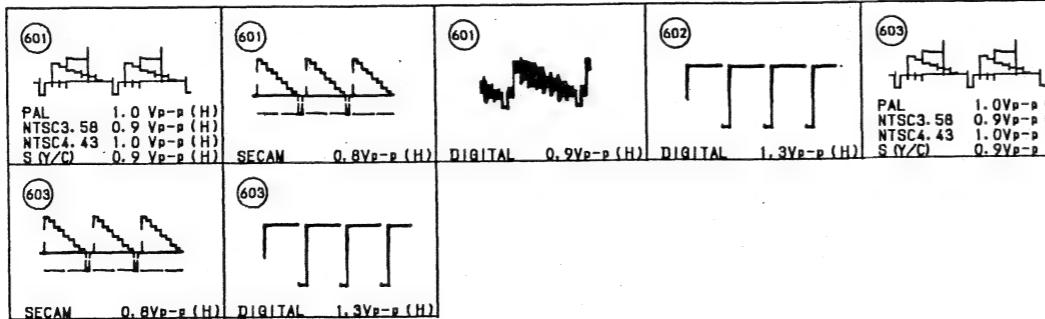


## — V Board —

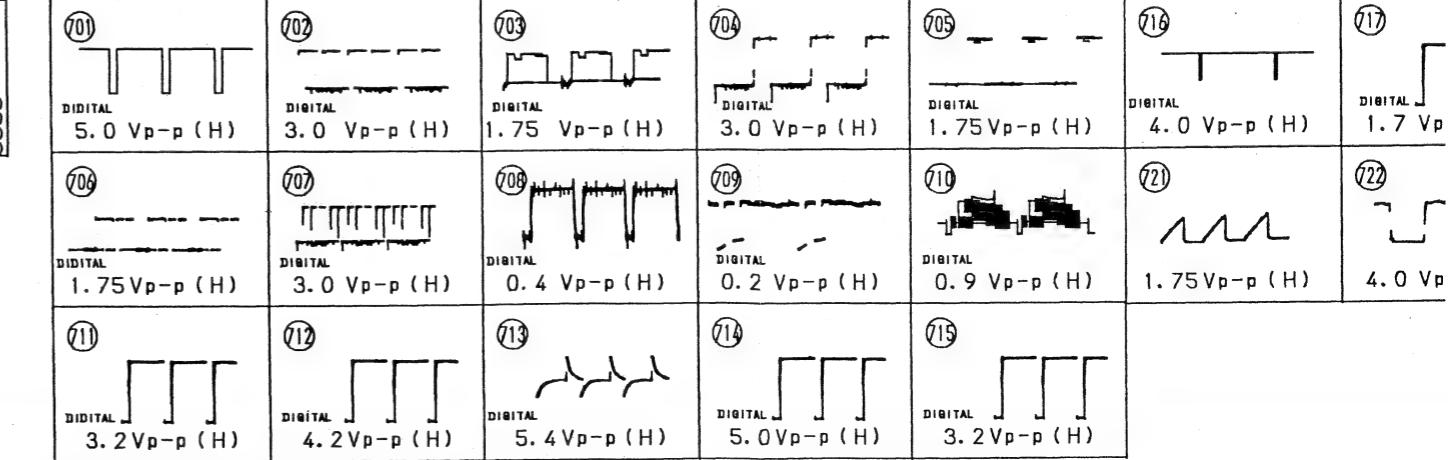


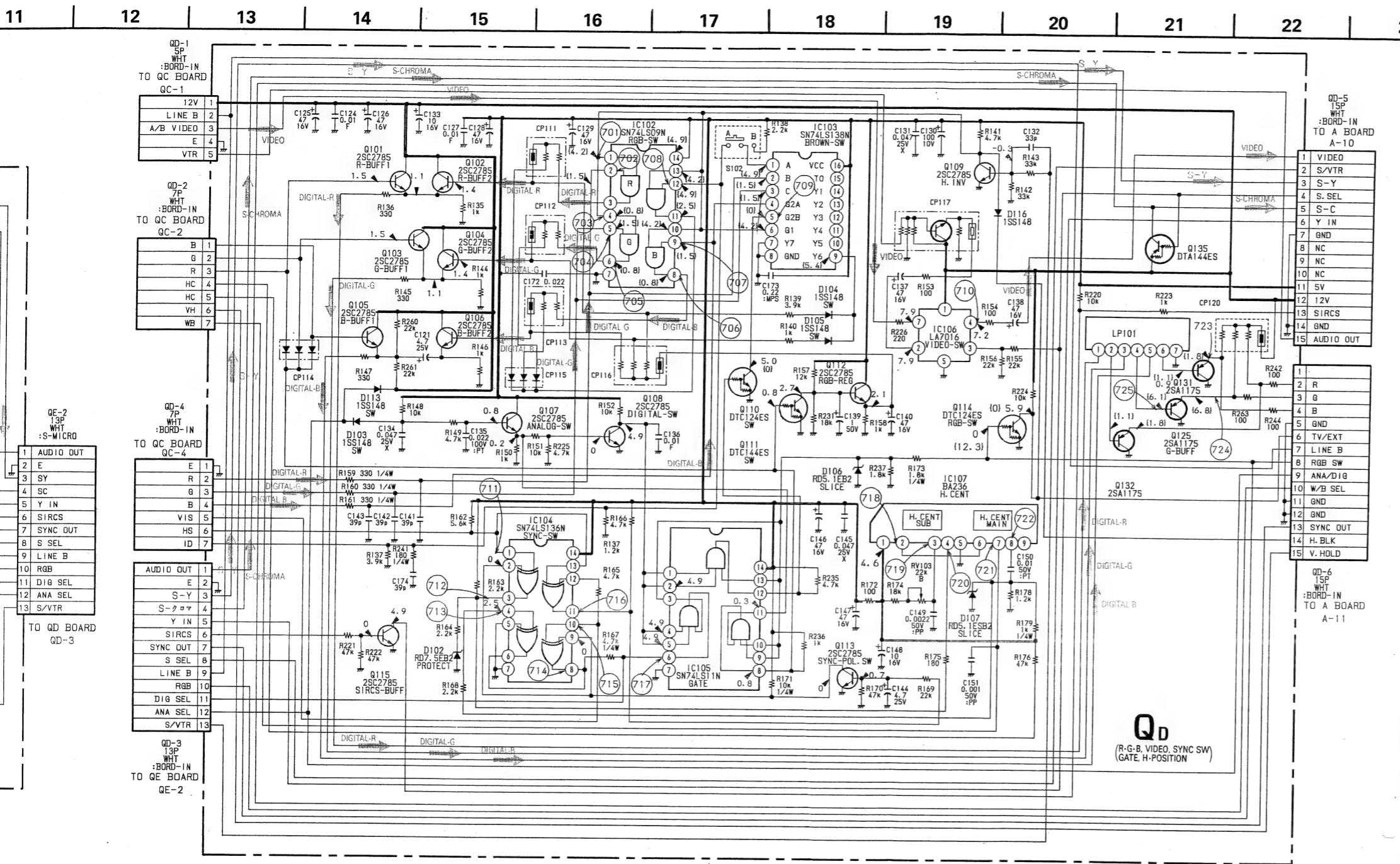


QE BOARD WAVEFORM

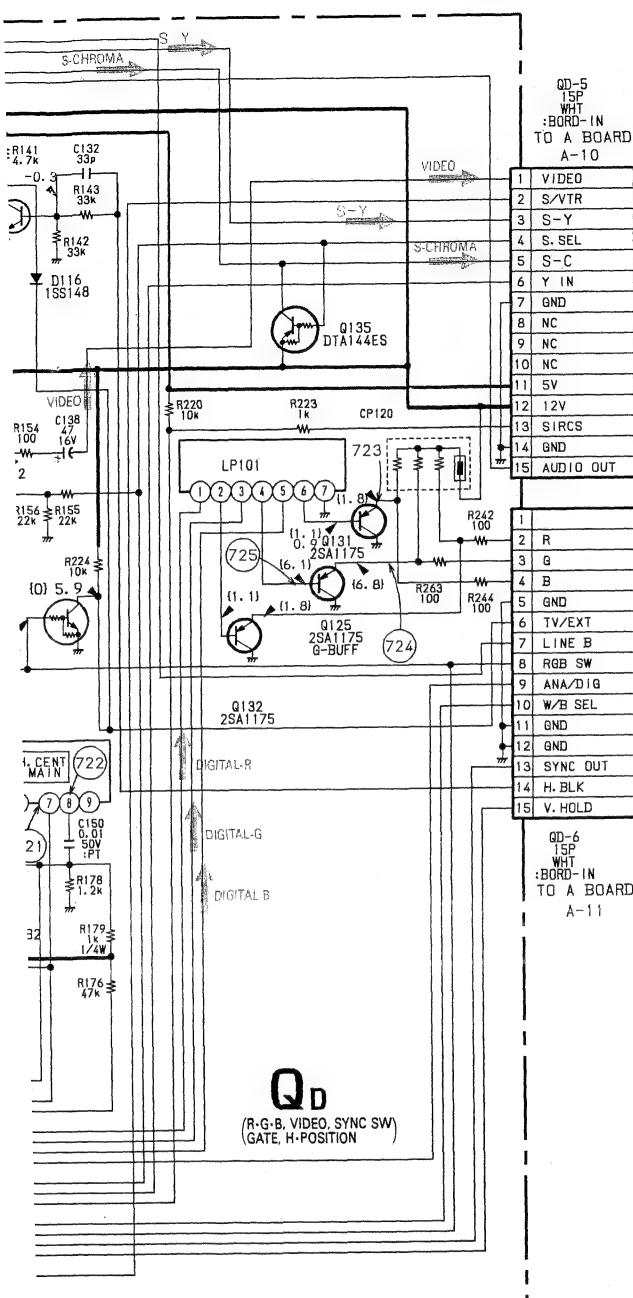


QD BOARD WAVEFORM

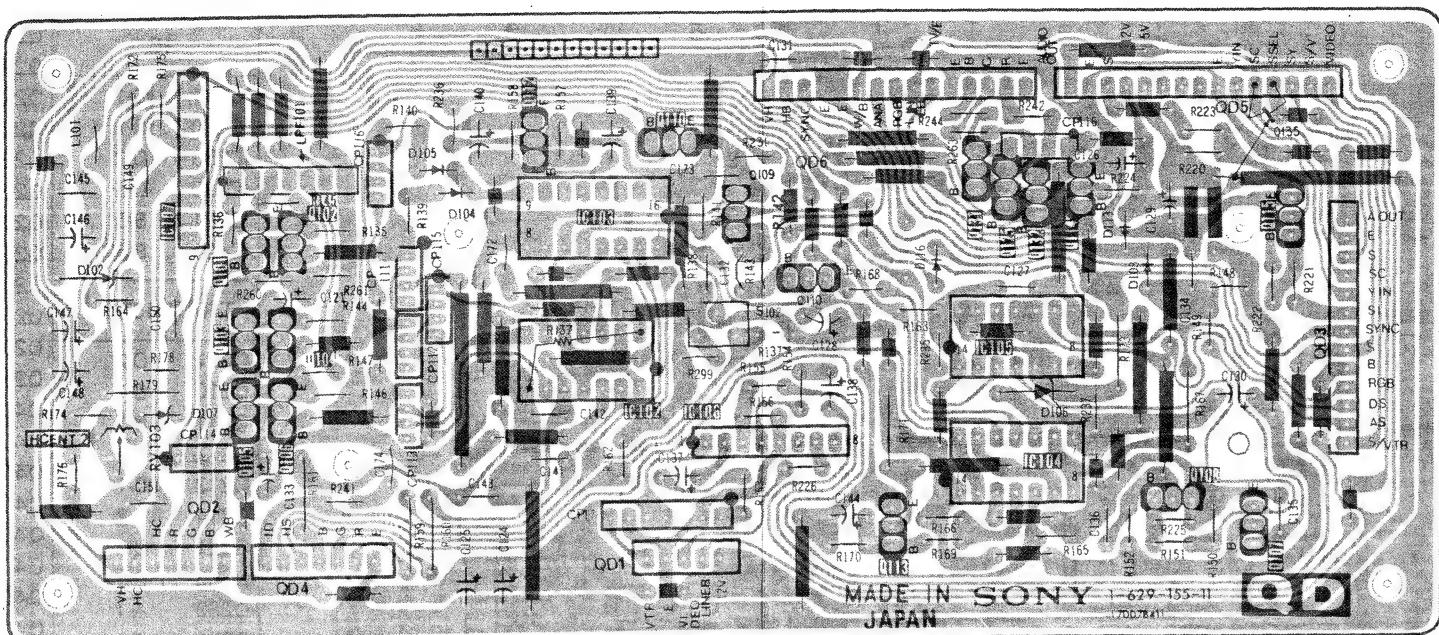




20 21 22 23

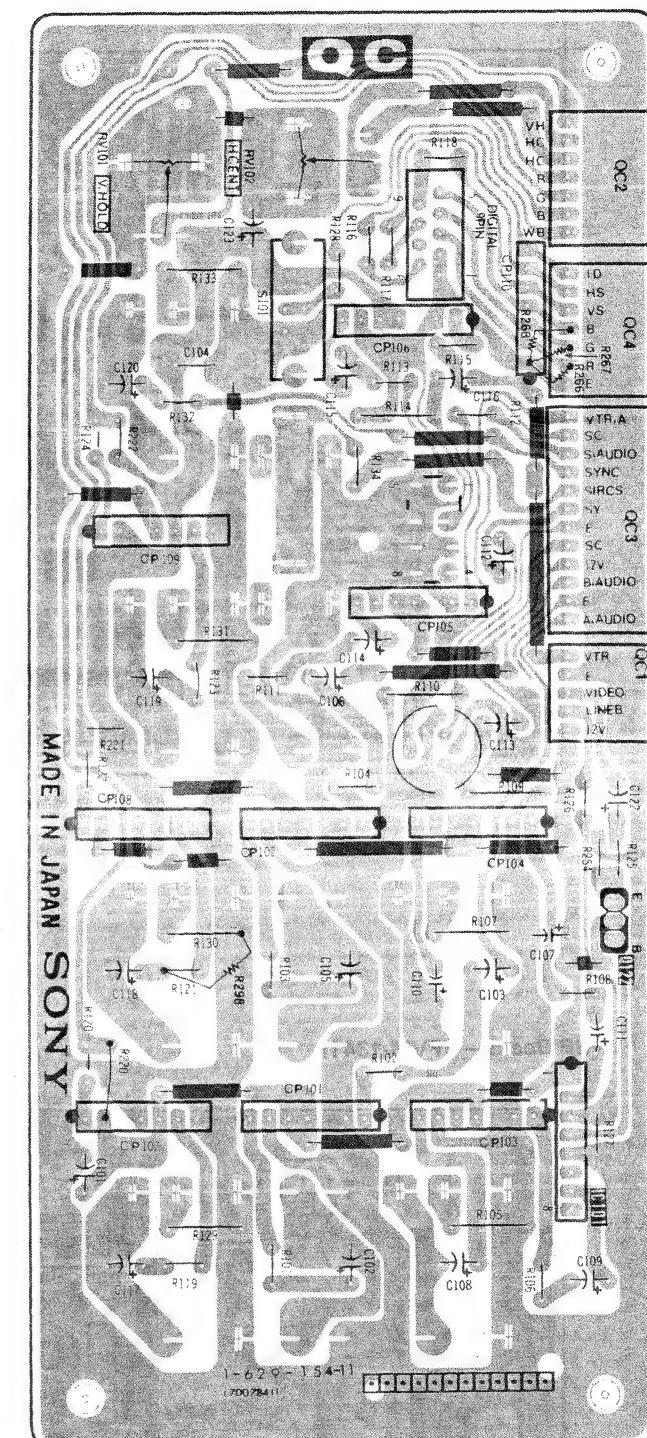


— QD Board —

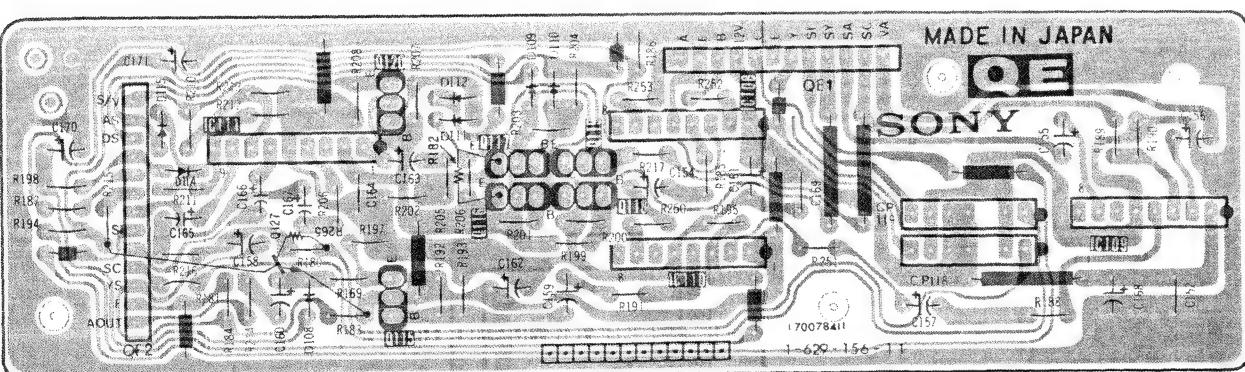
**QE** [AUDIO SW]**QC**

[INPUT SIGNAL SELECT]

— QC Board —

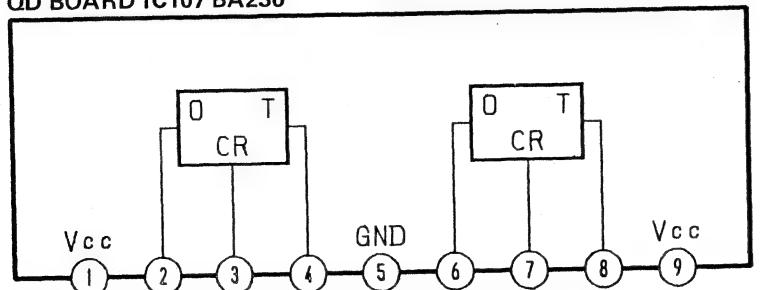


— QE Board —

**QD BOARD**

G-NO	PAL	SECAM	NTSC	NTSC	VIDEO DIGITAL
Q105C	F 0.9	0.9	0.9	0.9	1.1
B 1.5	1.5	1.5	1.5	1.5	1.8
E 0.9	0.9	0.9	0.9	0.9	1.1
Q106C	H 1.4	1.4	1.4	1.4	1.8
E 0.5	0.5	0.5	10.5	0.5	4.2
E 1	0	0	0	0	4.3

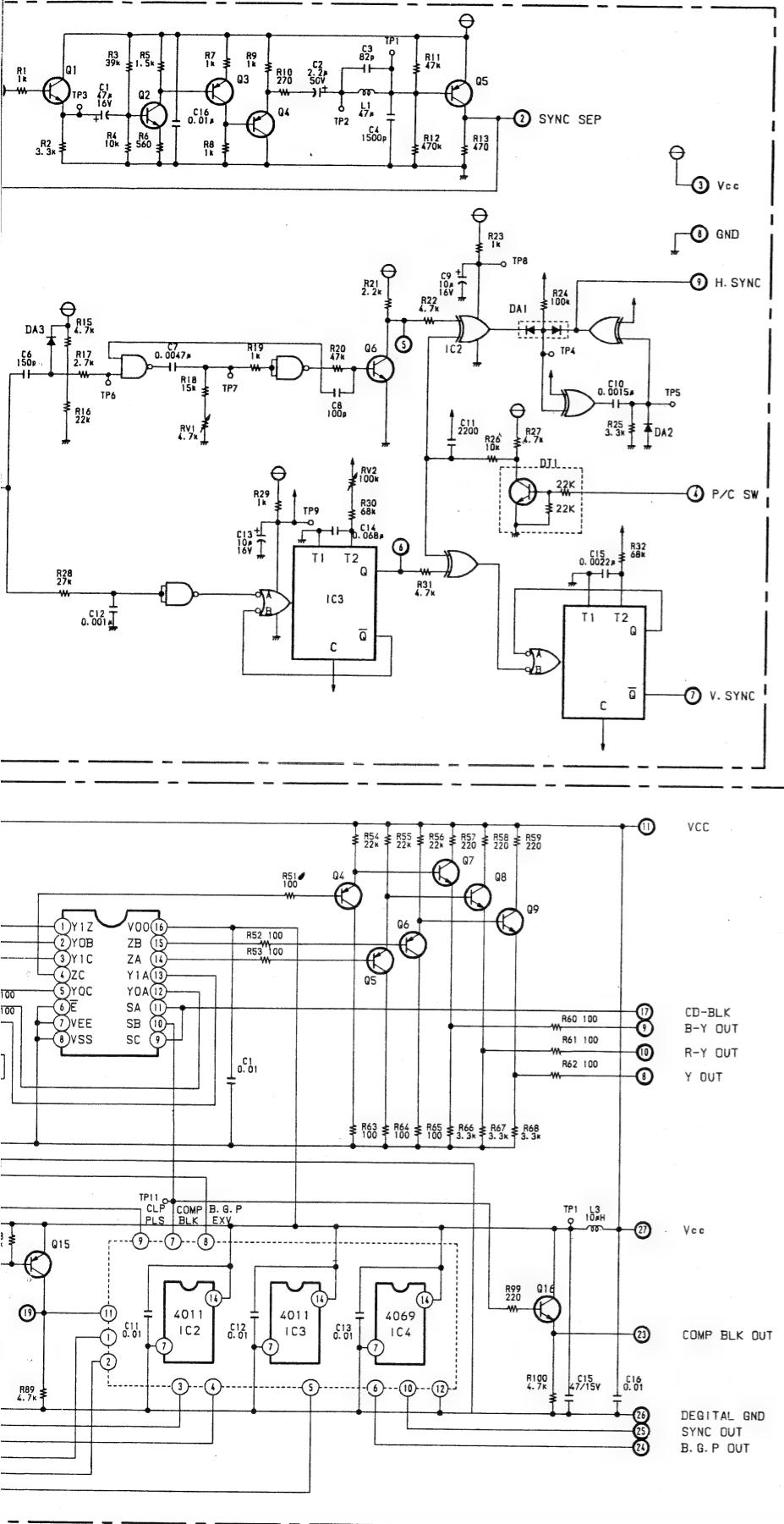
IC-HD	PIN	PAL	SECAM	NTSC	NTSC	VIDEO DIGITAL
IC104	① 5.0	5.0	5.0	5.0	3.4	3.5
② 4.5	4.6	4.5	4.6	4.5	4.2	
③ 0	0	0	0	0	4.5	
④ 0.4	0.4	0.4	0.4	0.4	3.2	
⑤ 1.1	1.1	1.1	1.1	1.1	3.9	
⑥ 5.0	5.0	5.0	5.0	3.5	3.5	
⑦ 0.4	0.5	0.5	0.5	0.5	4.8	
⑧ 0	0	0	0	0	5.0	
⑨ 0.5	0.5	0.5	0.5	0.5	4.3	
IC105	① 0.5	0.5	0.5	0.5	0.5	4.3
② 0	0	0	0	0	5.8	
③ 0	0	0	0	0	1.8	
④ 0.2	0.3	0.3	0.3	0.3	0.7	
⑤ 0.5	4.5	4.5	4.5	4.5	4.2	
⑥ 0	0	0	0	0	0.4	
⑦ 0	0	0	0	0	1.4	

**QD BOARD IC107 BA236**

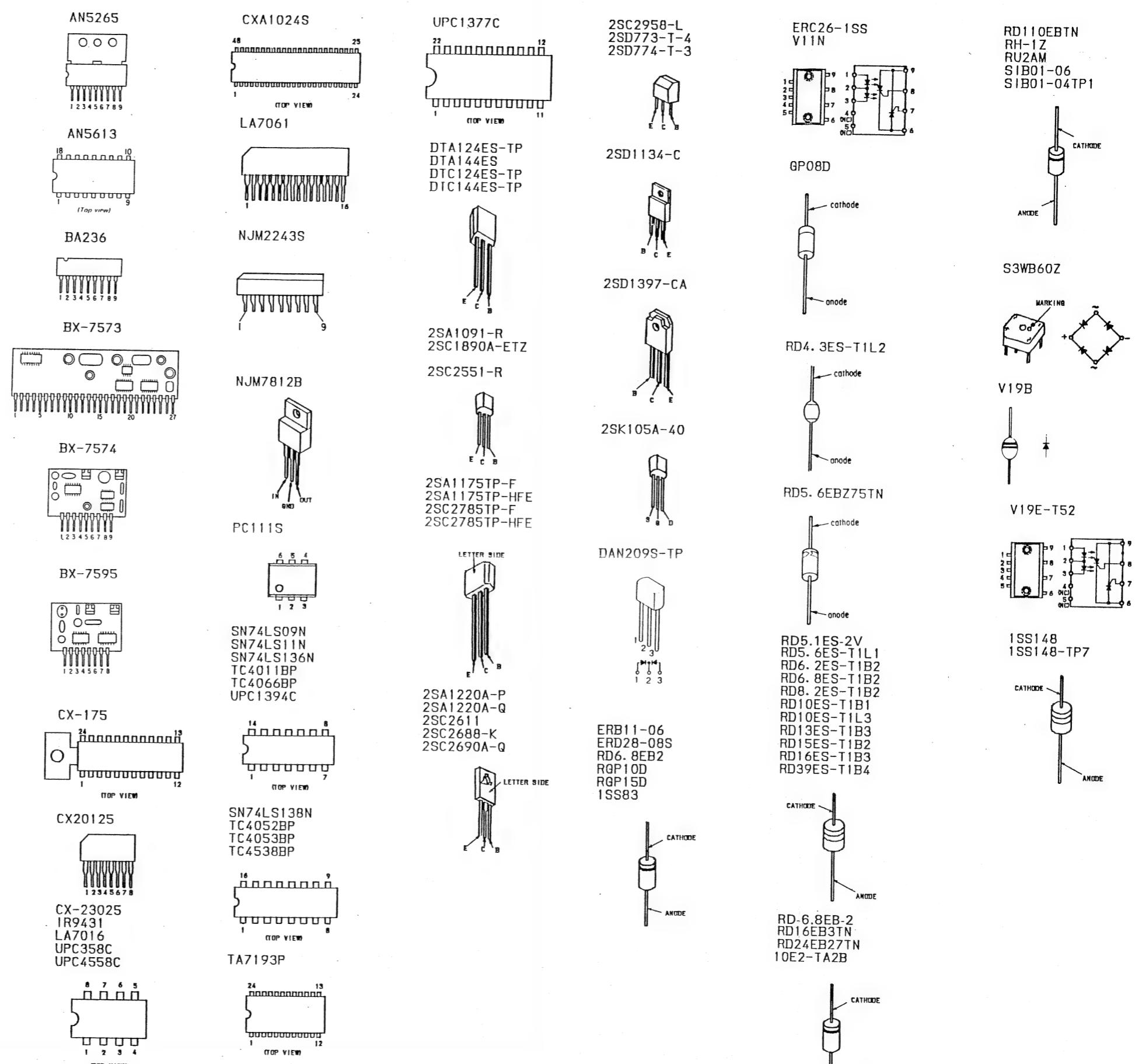


## 6-6. SEMICONDUCT

IC503



## 6-6. SEMICONDUCT



**MEMO****NOTE:**

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

**SECTION 7**  
**EXPLODED VIEWS**

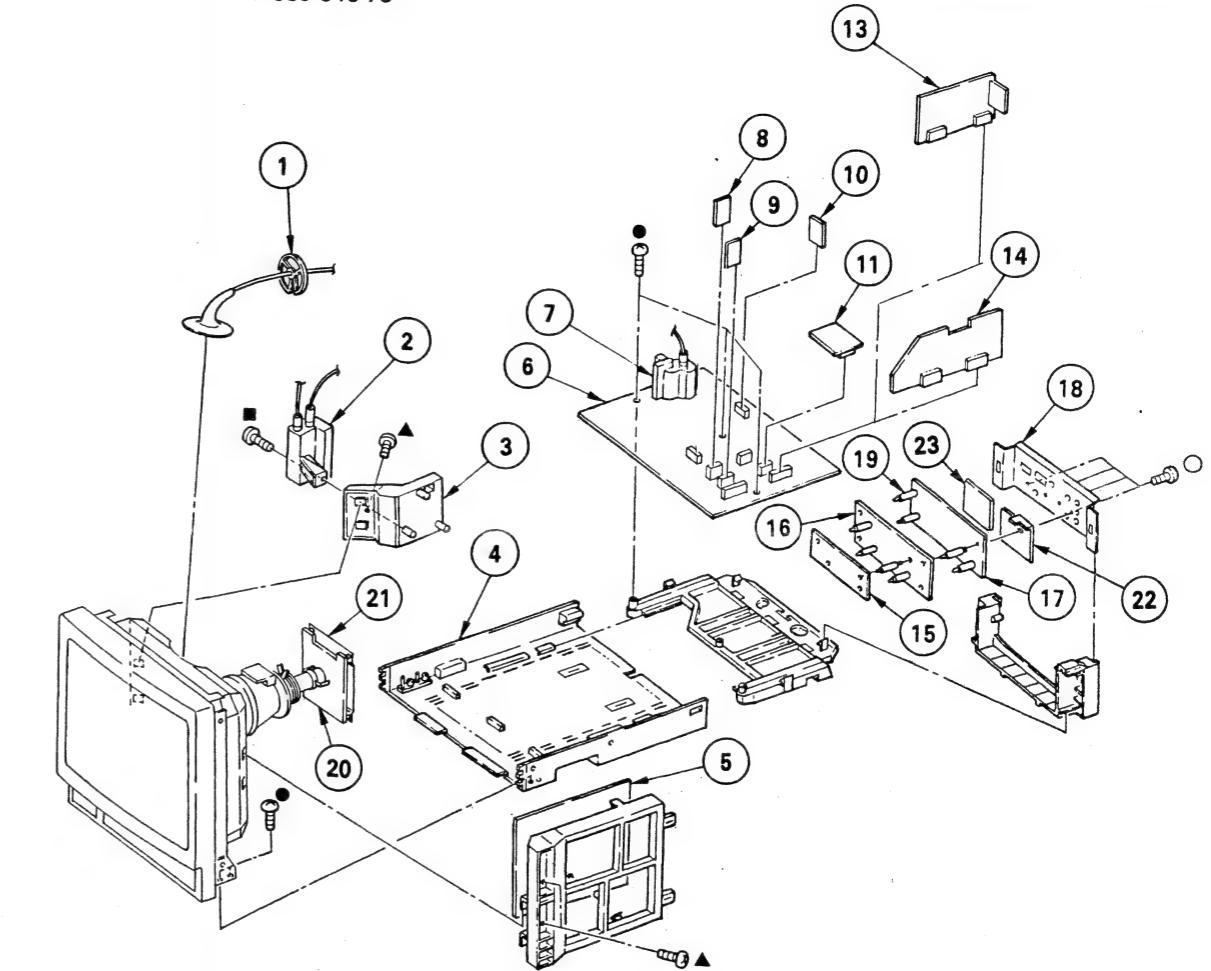
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ▲ are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une trame et une marque ▲ sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

**7-1. CHASSIS**

- : BVTP3 x 12 7-685-648-79
- : BVTP4 x 16 7-685-663-79
- ▲: BVTT4 x 8 7-682-561-04
- : BVTP3 x 8 7-685-646-79



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	*3-704-372-01	HOLDER, HV CABLE		11	*1-629-148-11	V BOARD	
2	1-237-614-12	RESISTOR ASSY, HIGH-VOLTAGE		13	*A-1130-734-A	BB BOARD, COMPLETE (PVM-1341 ONLY)	
3	*4-391-842-01	BRACKET, HVR		14	*A-1135-532-A	BA BOARD, COMPLETE 10, 11, 20 (PVM-1342Q/1343MD ONLY)	
4	X-4391-805-1	CABINET ASSY, BOTTOM		15	*A-1270-249-A	QE BOARD, COMPLETE	
5	*A-1245-446-A	F BOARD, COMPLETE (PVM-1341/1342Q ONLY)		16	*A-1270-248-A	QD BOARD, COMPLETE	
	*A-1245-455-A	F BOARD, COMPLETE (PVM-1343MD ONLY)		17	*A-1270-247-A	QC BOARD, COMPLETE	
6	*A-1296-520-A	A BOARD, COMPLETE	8, 9	18	4-391-843-12	PLATE, TERMINAL	
7	*1-439-395-12	TRANSFORMER ASSY, FLYBACK		19	*3-682-419-01	HOLDER, P.C.B	
8	*1-629-149-11	W BOARD		20	*A-1330-913-A	C BOARD, COMPLETE	
9	*1-629-151-11	XA BOARD		21	*4-391-835-01	PLATE (C) SHIELD	
10	*1-629-150-11	YA BOARD (PVM-1342Q/1343MD ONLY)		22	1-537-191-11	TERMINAL BOARD, INPUT/OUTPUT (R)	
				23	1-537-192-11	TERMINAL BOARD, INPUT/OUTPUT (L)	

## SECTION 7

### EXPLODED VIEWS

## NOTE:

- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remark column.

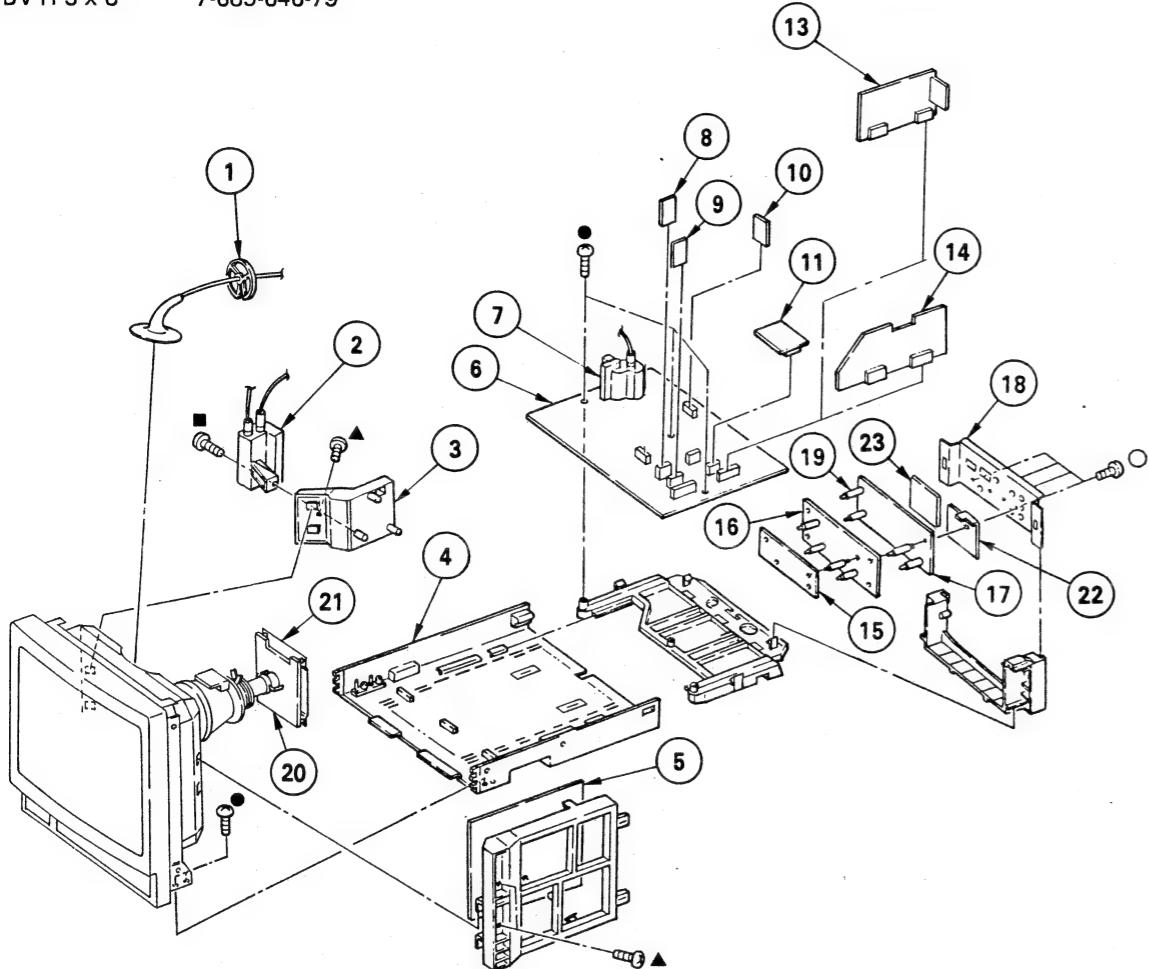
- Items marked "★" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

Les composants identifiés par une trame et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

## 7-1. CHASSIS

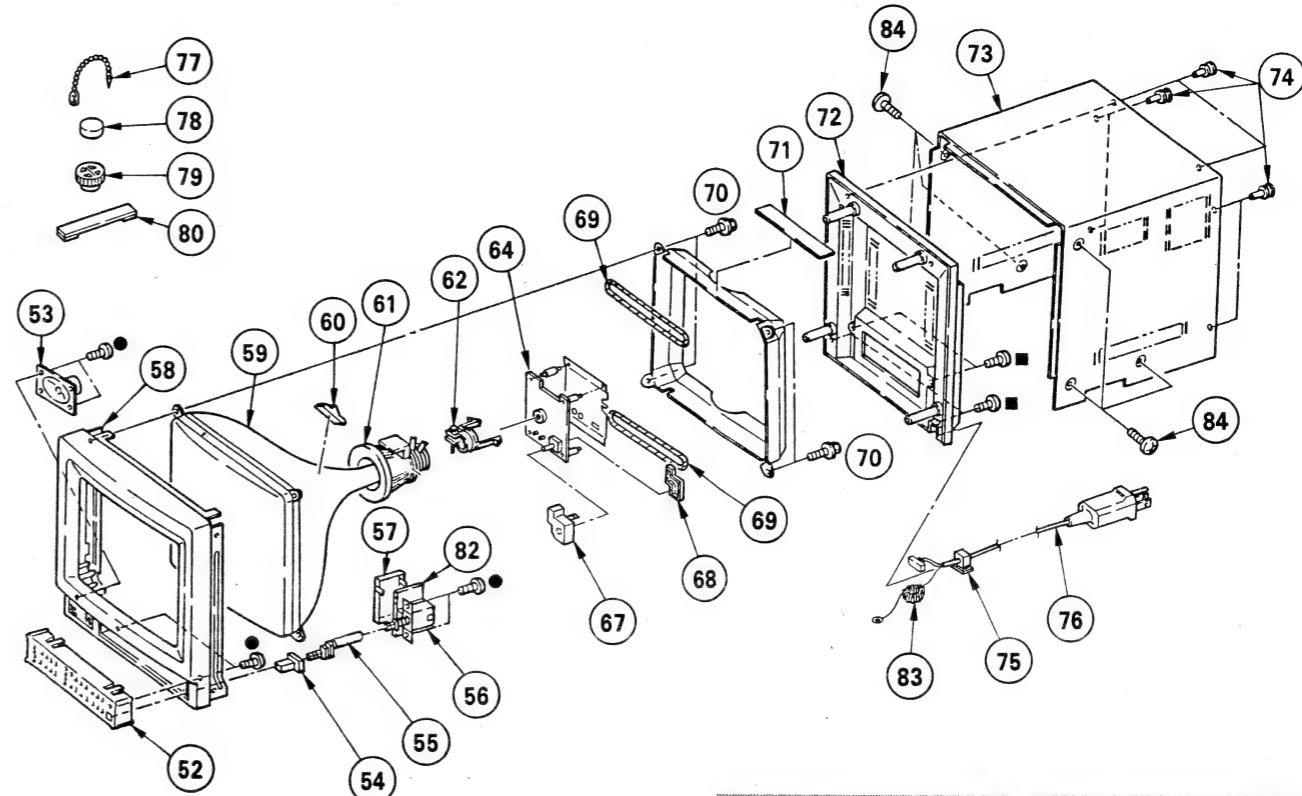
- : BVTP3 x 12 7-685-648-79
- : BVTP4 x 16 7-685-663-79
- ▲ : BVTT4 x 8 7-682-561-04
- : BVTP3 x 8 7-685-646-79



No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	*3-704-372-01	HOLDER, HV CABLE		11	*1-629-148-11	V BOARD	
2	*A-1-237-614-12	RESISTOR ASSY, HIGH-VOLTAGE		13	*A-1130-734-A	BB BOARD, COMPLETE (PVM-1341 ONLY)	
3	*4-391-842-01	BRACKET, HVR		14	*A-1135-532-A	BA BOARD, COMPLETE (PVM-1342Q/1343MD ONLY)	10, 11, 20
4	X-4391-805-1	CABINET ASSY, BOTTOM		15	*A-1270-249-A	QE BOARD, COMPLETE	
5	*A-1245-446-A	F BOARD, COMPLETE (PVM-1341/1342Q ONLY)		16	*A-1270-248-A	QD BOARD, COMPLETE	
	*A-1245-455-A	F BOARD, COMPLETE (PVM-1343MD ONLY)		17	*A-1270-247-A	QC BOARD, COMPLETE	
6	*A-1296-520-A	A BOARD, COMPLETE	8, 9	18	4-391-843-12	PLATE, TERMINAL	
7	*A-1-439-395-12	TRANSFORMER ASSY, FLYBACK		19	*3-682-419-01	HOLDER, P.C.B.	
8	*1-629-149-11	W BOARD		20	*A-1330-913-A	C BOARD, COMPLETE	
9	*1-629-151-11	XA BOARD		21	*4-391-835-01	PLATE (C) SHIELD	
10	*1-629-150-11	Y BOARD (PVM-1342Q/1343MD ONLY)		22	1-537-191-11	TERMINAL BOARD, INPUT/OUTPUT (R)	
				23	1-537-192-11	TERMINAL BOARD, INPUT/OUTPUT (L)	

## 7-2. PICTURE TUBE

- : BVTP3 x 12 7-685-648-79
- : BVTP4 x 16 7-685-663-79



Les composants identifiés par une trame et une marque ▲ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark ▲ are critical for safety. Replace only with part number specified.

No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
52	1-466-076-11	CONTROL UNIT (PVM-1342Q ONLY)		67	*4-374-912-01	COVER (MAIN), CV VOL	
	1-466-076-21	CONTROL UNIT (PVM-1343MD ONLY)		68	*4-374-913-01	COVER (REAR LID), CV VOL	
	1-466-077-11	CONTROL UNIT (PVM-1341 ONLY)		69	▲ 1-426-375-11	COIL, DEMAGNETIZATION	
53	1-544-063-11	SPEAKER		70	4-365-808-01	SCREW (5), TAPPING	
54	4-374-839-11	BUTTON (A)		71	4-391-833-01	CLOTH, PROTECTION	
55	4-391-824-01	JOINT		72	4-391-839-01	COVER, REAR	
56	▲ 1-554-967-12	SWITCH, PUSH (AC POWER)(1 KEY)		73	X-4391-810-1	COVER ASSY, TOP (PVM-1341/1342Q ONLY)	
57	*4-391-820-01	COVER, AC SWITCH			X-4391-810-2	COVER ASSY, TOP (PVM-1343MD ONLY)	
58	X-4391-804-1	BEZEL ASSY (PVM-1342Q ONLY)		74	4-391-825-01	RIVET, NYLON	
	X-4391-804-2	BEZEL ASSY (PVM-1341 ONLY)		75	▲ 4-364-726-01	BUSHING, AC CORD (PVM-1343MD ONLY)	
	X-4391-804-3	BEZEL ASSY (PVM-1343MD ONLY)		76	▲ 4-371-185-02	BUSHING, AC CORD (PVM-1341/1342Q ONLY)	
59	▲ 8-734-822-05	PICTURE TUBE (M34KBE20X)	(PVM-1342Q/1343MD ONLY)	77	▲ 1-574-445-11	CORD, POWER(WITH NOISE FILTER) (PVM-1341/1342Q ONLY)	
	▲ 8-736-255-05	PICTURE TUBE (A34JHS12X) (PVM-1341 ONLY)		78	4-308-870-00	CLIP, LEAD WIRE	
60	3-703-961-01	SPACER, DY		79	1-452-032-00	MAGNET, DISK; 10MM Ø	
61	▲ 1-451-329-11	DEFLECTION YOKE (SY-222)		80	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø	
62	*4-382-050-01	BAND, C PC BOARD		81	X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
64	*A-1330-913-A	C BOARD, COMPLETE		82	*1-629-153-11	J BOARD	
				83	1-543-604-11	CORE, RING	
				84	4-847-802-11	SCREW (OS), CASE, CLAW	

## **SECTION 8**

## ELECTRICAL PARTS LIST

**NOTE:**

The components identified by shading and mark  are critical for safety.  
Replace only with part number specified.

**Les composants identifiés par une trame et une marque A sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.**

- Items marked " \* " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.

- All variable and adjustable resistors have characteristic curve B, unless otherwise noted.

## RESISTORS

- All resistors are in ohms
  - F : nonflammable

When indicating parts by reference number, please include the board name.

GOALS

CAPACITORS                          COILS  
 MF :  $\mu$ F, PF :  $\mu\mu$ F              • MMH : mH, UH :  $\mu$ H

The components identified by  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

**BA**

<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>	<u>Ref. No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>				
D211	8-719-911-19	DIODE 1SS119		Q280	8-729-900-89	TRANSISTOR DTC144ES					
D212	8-719-911-19	DIODE 1SS119		Q401	8-729-178-54	TRANSISTOR 2SC2785					
D240	8-719-110-16	DIODE RD10ES-B1		Q402	8-729-178-54	TRANSISTOR 2SC2785					
D280	8-719-911-19	DIODE 1SS119		Q403	8-729-178-54	TRANSISTOR 2SC2785					
D401	8-719-911-19	DIODE 1SS119		Q404	8-729-178-54	TRANSISTOR 2SC2785					
D402	8-719-911-19	DIODE 1SS119		Q405	8-729-900-63	TRANSISTOR DTA124ES					
<u>DELAY LINE</u>											
DL230	1-415-632-11	DELAY LINE, Y		Q406	8-729-178-54	TRANSISTOR 2SC2785					
<u>IC</u>											
FPG280	8-749-920-73	IC BX7595		<u>RESISTOR</u>							
IC201	8-759-800-81	IC LA7016		JW95	1-249-411-11	CARBON	330	5%	1/4W		
IC210	8-759-240-53	IC TC4053BP		R201	1-249-435-11	CARBON	33K	5%	1/4W		
IC250	8-759-800-81	IC LA7016		R202	1-249-435-11	CARBON	33K	5%	1/4W		
IC260	8-759-208-14	IC TC4066BPHB		R203	1-249-405-11	CARBON	100	5%	1/4W		
IC261	8-759-208-14	IC TC4066BPHB		R204	1-249-421-11	CARBON	2.2K	5%	1/4W		
IC401	8-751-750-00	IC CX175		R205	1-249-433-11	CARBON	22K	5%	1/4W		
<u>COIL</u>											
L280	1-410-509-11	INDUCTOR	10UH	R206	1-249-432-11	CARBON	18K	5%	1/4W		
L282	1-410-470-11	INDUCTOR	10UH	R207	1-249-409-11	CARBON	220	5%	1/4W		
L401	1-410-087-31	INDUCTOR	10MMH	R210	1-249-437-11	CARBON	47K	5%	1/4W		
L402	1-408-411-00	INDUCTOR	15UH	R211	1-249-437-11	CARBON	47K	5%	1/4W		
L403	1-404-496-00	COIL		R212	1-249-437-11	CARBON	47K	5%	1/4W		
L404	1-408-411-00	INDUCTOR	15UH	R213	1-249-429-11	CARBON	10K	5%	1/4W		
L405	1-404-496-00	COIL		R214	1-249-433-11	CARBON	22K	5%	1/4W		
L406	1-410-470-11	INDUCTOR	10UH	R215	1-249-437-11	CARBON	47K	5%	1/4W		
L408	1-410-336-11	INDUCTOR	220UH	R216	1-249-429-11	CARBON	10K	5%	1/4W		
<u>MODULE</u>											
PCM290	1-808-628-11	MODULE, PHASE PHM-1		R217	1-249-429-11	CARBON	10K	5%	1/4W		
<u>TRANSISTOR</u>											
Q201	8-729-178-54	TRANSISTOR 2SC2785		R218	1-249-425-11	CARBON	4.7K	5%	1/4W		
Q210	8-729-178-54	TRANSISTOR 2SC2785		R219	1-249-405-11	CARBON	100	5%	1/4W		
Q211	8-729-117-54	TRANSISTOR 2SA1175		R220	1-249-428-11	CARBON	8.2K	5%	1/4W		
Q212	8-729-900-89	TRANSISTOR DTC144ES		R221	1-249-423-11	CARBON	3.3K	5%	1/4W		
Q213	8-729-900-89	TRANSISTOR DTC144ES		R222	1-249-439-11	CARBON	68K	5%	1/4W		
Q214	8-729-178-54	TRANSISTOR 2SC2785		R224	1-249-439-11	CARBON	68K	5%	1/4W		
Q221	8-729-900-89	TRANSISTOR DTC144ES		R225	1-249-439-11	CARBON	68K	5%	1/4W		
Q222	8-729-900-63	TRANSISTOR DTA124ES		R226	1-249-439-11	CARBON	68K	5%	1/4W		
Q230	8-729-178-54	TRANSISTOR 2SC2785		R227	1-249-386-11	CARBON	2.7	5%	1/4W F		
Q231	8-729-178-54	TRANSISTOR 2SC2785		R228	1-249-433-11	CARBON	22K	5%	1/4W		
Q232	8-729-178-54	TRANSISTOR 2SC2785		R229	1-249-433-11	CARBON	22K	5%	1/4W		
Q233	8-729-117-54	TRANSISTOR 2SA1175		R230	1-249-429-11	CARBON	10K	5%	1/4W		
Q234	8-729-178-54	TRANSISTOR 2SC2785		R231	1-249-422-11	CARBON	2.7K	5%	1/4W		
Q240	8-729-177-42	TRANSISTOR 2SD774-3		R232	1-249-415-11	CARBON	680	5%	1/4W		
Q241	8-729-178-54	TRANSISTOR 2SC2785		R233	1-249-415-11	CARBON	680	5%	1/4W		
Q242	8-729-178-54	TRANSISTOR 2SC2785		R234	1-249-411-11	CARBON	330	5%	1/4W		
Q243	8-729-178-54	TRANSISTOR 2SC2785		R235	1-249-416-11	CARBON	820	5%	1/4W		
Q258	8-729-178-54	TRANSISTOR 2SC2785		R236	1-249-411-11	CARBON	330	5%	1/4W		
Q259	8-729-178-54	TRANSISTOR 2SC2785		R237	1-249-411-11	CARBON	330	5%	1/4W		
Q260	8-729-900-89	TRANSISTOR DTC144ES		R238	1-249-405-11	CARBON	100	5%	1/4W		
Q261	8-729-178-54	TRANSISTOR 2SC2785		R239	1-249-417-11	CARBON	1K	5%	1/4W		
Q262	8-729-178-54	TRANSISTOR 2SC2785		R240	1-249-407-11	CARBON	150	5%	1/4W		
Q263	8-729-178-54	TRANSISTOR 2SC2785		R241	1-247-895-00	CARBON	470K	5%	1/4W		
Q264	8-729-117-54	TRANSISTOR 2SA1175		R242	1-249-421-11	CARBON	2.2K	5%	1/4W		
Q265	8-729-178-54	TRANSISTOR 2SC2785		R243	1-249-435-11	CARBON	33K	5%	1/4W		
Q266	8-729-178-54	TRANSISTOR 2SC2785		R244	1-249-435-11	CARBON	33K	5%	1/4W		
Q267	8-729-178-54	TRANSISTOR 2SC2785		R245	1-249-422-11	CARBON	2.7K	5%	1/4W		
Q268	8-729-178-54	TRANSISTOR 2SC2785		R246	1-249-435-11	CARBON	33K	5%	1/4W		
Q269	8-729-178-54	TRANSISTOR 2SC2785		R247	1-249-435-11	CARBON	33K	5%	1/4W		
Q270	8-729-178-54	TRANSISTOR 2SC2785		R248	1-249-422-11	CARBON	2.7K	5%	1/4W		
Q271	8-729-178-54	TRANSISTOR 2SC2785		R249	1-249-432-11	CARBON	18K	5%	1/4W		
Q272	8-729-178-54	TRANSISTOR 2SC2785		R250	1-249-405-11	CARBON	100	5%	1/4W		
Q273	8-729-117-54	TRANSISTOR 2SA1175		R251	1-249-433-11	CARBON	22K	5%	1/4W		
Q274	8-729-178-54	TRANSISTOR 2SC2785		R252	1-249-421-11	CARBON	2.2K	5%	1/4W		

The components identified by shading and mark  are critical for safety.  
Replace only with part number specified.

**Les composants identifies par une trame et une marque  $\Delta$  sont critiques pour la securite. Ne les remplacer que par une piece portant le numero specifie.**

## **PVM-1341/1342Q/1343MD**

BA

C

C V

Les composants identifiés par une trame et une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark				
<b>DIODE</b>											
D701	8-719-911-19	DIODE 1SS119		R725	1-202-719-00	SOLID	1M 10% 1/2W				
D702	8-719-911-19	DIODE 1SS119		R731	1-249-409-11	CARBON	220 5% 1/4W				
D703	8-719-911-19	DIODE 1SS119		R732	1-249-409-11	CARBON	220 5% 1/4W				
D704	8-719-911-19	DIODE 1SS119		R733	1-249-409-11	CARBON	220 5% 1/4W				
D705	8-719-911-19	DIODE 1SS119		R734	1-249-409-11	CARBON	220 5% 1/4W F				
D706	8-719-911-19	DIODE 1SS119		R735	1-249-409-11	CARBON	220 5% 1/4W F				
D707	8-719-901-83	DIODE 1SS83		R736	1-249-409-11	CARBON	220 5% 1/4W F				
D708	8-719-901-83	DIODE 1SS83		R737	1-249-405-11	CARBON	100 5% 1/4W				
D709	8-719-901-83	DIODE 1SS83		R738	1-249-405-11	CARBON	100 5% 1/4W				
D713	8-719-901-83	DIODE 1SS83		R739	1-249-405-11	CARBON	100 5% 1/4W				
D715	8-719-901-83	DIODE 1SS83		R740	1-249-429-11	CARBON	10K 5% 1/4W F				
D716	8-719-901-83	DIODE 1SS83		R741	1-249-429-11	CARBON	10K 5% 1/4W F				
D717	8-719-901-83	DIODE 1SS83		R742	1-249-429-11	CARBON	10K 5% 1/4W F				
<b>ENCAPSULATED COMPONENT</b>											
FL701	1-236-058-11	ENCAPSULATED COMPONENT		R743	1-249-441-11	CARBON	100K 5% 1/4W				
FL702	1-236-058-11	ENCAPSULATED COMPONENT		R744	1-249-429-11	CARBON	10K 5% 1/4W				
FL703	1-236-058-11	ENCAPSULATED COMPONENT		R745	1-249-429-11	CARBON	10K 5% 1/4W				
<b>TRANSISTOR</b>											
Q701	8-729-178-54	TRANSISTOR 2SC2785		R746	1-215-879-51	METAL OXIDE	47K 5% 1W F				
Q702	8-729-178-54	TRANSISTOR 2SC2785		R747	1-247-725-11	CARBON	10K 5% 1/4W F				
Q703	8-729-178-54	TRANSISTOR 2SC2785		R748	1-247-713-11	CARBON	1K 5% 1/4W F				
Q704	8-729-200-17	TRANSISTOR 2SA1091		R749	1-215-902-11	METAL OXIDE	47K 5% 2W F				
Q705	8-729-200-17	TRANSISTOR 2SA1091		R750	1-249-400-11	CARBON	39 5% 1/4W F				
Q706	8-729-200-17	TRANSISTOR 2SA1091		R751	1-247-887-00	CARBON	220K 5% 1/4W				
Q707	8-729-326-11	TRANSISTOR 2SC2611		R752	1-247-887-00	CARBON	220K 5% 1/4W				
Q708	8-729-326-11	TRANSISTOR 2SC2611		R753	1-247-887-00	CARBON	220K 5% 1/4W				
Q709	8-729-326-11	TRANSISTOR 2SC2611		<b>VARIABLE RESISTOR</b>							
Q710	8-729-200-17	TRANSISTOR 2SA1091		RV707	1-230-641-21	RES, ADJ, METAL GLAZE	2.2M				
Q711	8-729-200-17	TRANSISTOR 2SA1091		RV708	1-230-798-11	RES, ADJ, METAL GLAZE	90M				
Q712	8-729-200-17	TRANSISTOR 2SA1091		RV709	1-230-641-21	RES, ADJ, METAL GLAZE	2.2M				
Q713	8-729-255-12	TRANSISTOR 2SC2551		*****							
Q714	8-729-255-12	TRANSISTOR 2SC2551		*1-629-148-11	V BOARD						
Q715	8-729-255-12	TRANSISTOR 2SC2551		*****							
Q716	8-729-255-12	TRANSISTOR 2SC2551		<b>CAPACITOR</b>							
Q717	8-729-255-12	TRANSISTOR 2SC2551		C1700	1-124-120-11	ELECT	220MF 20% 25V				
<b>RESISTOR</b>				C1701	1-101-004-00	CERAMIC	0.01MF 50V				
R702	1-215-480-00	METAL	300K 1% 1/6W	C1702	1-102-978-00	CERAMIC	220PF 5% 50V				
R704	1-215-408-00	METAL	300 1% 1/6W	C1703	1-102-978-00	CERAMIC	220PF 5% 50V				
R705	1-249-410-11	CARBON	270 5% 1/4W	C1705	1-124-499-11	ELECT	1MF 20% 50V				
R706	1-249-410-11	CARBON	270 5% 1/4W	C1706	1-124-499-11	ELECT	1MF 20% 50V				
R707	1-249-420-11	CARBON	1.8K 5% 1/4W	C1707	1-124-120-11	ELECT	220MF 20% 25V				
R708	1-249-419-11	CARBON	1.5K 5% 1/4W	C1710	1-101-884-00	CERAMIC	56PF 5% 50V				
R709	1-249-420-11	CARBON	1.8K 5% 1/4W	C1711	1-101-884-00	CERAMIC	56PF 5% 50V				
R710	1-249-397-11	CARBON	22 5% 1/4W	<b>DIODE</b>							
R711	1-249-397-11	CARBON	22 5% 1/4W	D1700	8-719-911-19	DIODE 1SS119					
R712	1-249-397-11	CARBON	22 5% 1/4W	D1701	8-719-936-56	DIODE DAN209S					
R715	1-202-818-00	SOLID	1K 10% 1/2W	D1702	8-719-936-56	DIODE DAN209S					
R716	1-216-486-00	METAL OXIDE	8.2K 5% 3W F	D1703	8-719-936-56	DIODE DAN209S					
R717	1-202-818-00	SOLID	1K 10% 1/2W	D1704	8-719-936-56	DIODE DAN209S					
R718	1-216-486-00	METAL OXIDE	8.2K 5% 3W F	D1705	8-719-933-28	DIODE DAP209S					
R719	1-202-818-00	SOLID	1K 10% 1/2W	D1706	8-719-933-28	DIODE DAP209S					
R720	1-216-486-00	METAL OXIDE	8.2K 5% 3W F	D1707	8-719-911-19	DIODE 1SS119					
R721	1-216-372-11	METAL OXIDE	1.8 5% 2W F	D1708	8-719-911-19	DIODE 1SS119					
R722	1-202-848-00	SOLID	680K 10% 1/2W	<b>TRANSISTOR</b>							
R723	1-202-838-00	SOLID	100K 10% 1/2W	Q1700	8-729-178-54	TRANSISTOR 2SC2785					
R724	1-202-842-11	SOLID	220K 10% 1/2W	Q1701	8-729-178-54	TRANSISTOR 2SC2785					
				Q1702	8-729-178-54	TRANSISTOR 2SC2785					
				Q1703	8-729-178-54	TRANSISTOR 2SC2785					
				Q1704	8-729-178-54	TRANSISTOR 2SC2785					





Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
Q1705	8-729-178-54	TRANSISTOR 2SC2785		V2	*1-563-720-11	SOCKET, CONNECTOR (PC BOARD)9P	
Q1706	8-729-900-89	TRANSISTOR DTC144ES					
Q1707	8-729-900-89	TRANSISTOR DTC144ES					
Q1708	8-729-115-30	TRANSISTOR 2SK105A-30					
Q1709	8-729-115-30	TRANSISTOR 2SK105A-30					
Q1710	8-729-178-54	TRANSISTOR 2SC2785					
Q1711	8-729-178-54	TRANSISTOR 2SC2785					
<u>RESISTOR</u>							
R1700	1-249-426-11	CARBON 5.6K 5% 1/4W		C1500	1-124-499-11	ELECT	1MF 20%
R1701	1-249-413-11	CARBON 470 5% 1/4W		C1501	1-102-125-00	CERAMIC 0.0047MF	50V 10%
R1702	1-249-413-11	CARBON 470 5% 1/4W					
R1703	1-249-413-11	CARBON 470 5% 1/4W					
R1704	1-249-413-11	CARBON 470 5% 1/4W					
R1705	1-247-885-00	CARBON 180K 5% 1/4W					
R1706	1-249-437-11	CARBON 47K 5% 1/4W					
R1707	1-247-883-00	CARBON 150K 5% 1/4W					
R1708	1-249-437-11	CARBON 47K 5% 1/4W					
R1709	1-249-429-11	CARBON 10K 5% 1/4W					
R1710	1-249-438-11	CARBON 56K 5% 1/4W					
R1711	1-249-429-11	CARBON 10K 5% 1/4W					
R1712	1-249-429-11	CARBON 10K 5% 1/4W					
R1713	1-249-429-11	CARBON 10K 5% 1/4W					
R1714	1-249-429-11	CARBON 10K 5% 1/4W					
R1715	1-249-429-11	CARBON 10K 5% 1/4W					
R1716	1-249-438-11	CARBON 56K 5% 1/4W					
R1717	1-249-429-11	CARBON 10K 5% 1/4W					
R1718	1-249-429-11	CARBON 10K 5% 1/4W					
R1719	1-249-417-11	CARBON 1K 5% 1/4W					
R1720	1-249-429-11	CARBON 10K 5% 1/4W					
R1721	1-249-429-11	CARBON 10K 5% 1/4W					
R1722	1-249-429-11	CARBON 10K 5% 1/4W					
R1723	1-249-429-11	CARBON 10K 5% 1/4W					
R1724	1-249-429-11	CARBON 10K 5% 1/4W					
R1725	1-247-891-00	CARBON 330K 5% 1/4W					
R1726	1-247-891-00	CARBON 330K 5% 1/4W					
R1727	1-249-437-11	CARBON 47K 5% 1/4W					
R1728	1-249-437-11	CARBON 47K 5% 1/4W					
R1729	1-249-405-11	CARBON 100 5% 1/4W					
R1730	1-249-405-11	CARBON 100 5% 1/4W					
R1731	1-249-417-11	CARBON 1K 5% 1/4W					
R1732	1-249-417-11	CARBON 1K 5% 1/4W					
R1733	1-249-409-11	CARBON 220 5% 1/4W					
R1734	1-249-409-11	CARBON 220 5% 1/4W					
R1750	1-249-423-11	CARBON 3.3K 5% 1/4W					
<u>VARIABLE RESISTOR</u>							
RV1700	1-228-995-00	RES, ADJ, CARBON 22K					
RV1701	1-228-995-00	RES, ADJ, CARBON 22K					
RV1702	1-228-995-00	RES, ADJ, CARBON 22K					
RV1703	1-228-995-00	RES, ADJ, CARBON 22K					
RV1704	1-230-682-21	RES, ADJ, CARBON 1M					
RV1705	1-228-999-00	RES, ADJ, CARBON 470K					
RV1706	1-228-999-00	RES, ADJ, CARBON 470K					
RV1707	1-230-682-21	RES, ADJ, CARBON 1M					
RV1708	1-228-995-00	RES, ADJ, CARBON 22K					
RV1709	1-228-995-00	RES, ADJ, CARBON 22K					
RV1710	1-228-995-00	RES, ADJ, CARBON 22K					
<u>CONNECTOR</u>							
V1	*1-563-720-11	SOCKET, CONNECTOR (PC BOARD)9P					
<u>CAPACITOR</u>							
C201	1-124-120-11	ELECT	220MF 20%				
C207	1-124-477-11	ELECT	47MF 20%				
C208	1-124-477-11	ELECT	47MF 20%				
C210	1-124-477-11	ELECT	47MF 20%				
C211	1-124-477-11	ELECT	47MF 20%				
C223	1-102-959-00	CERAMIC	22PF 5%				
C224	1-101-888-00	CERAMIC	68PF 5%				
C230	1-124-120-11	ELECT	220MF 20%				
C240	1-101-004-00	CERAMIC	0.01MF 5%				
C241	1-124-120-11	ELECT	220MF 20%				
C242	1-124-478-11	ELECT	100MF 20%				
C243	1-124-120-11	ELECT	220MF 20%				
C245	1-101-004-00	CERAMIC	0.01MF 5%				
C246	1-123-875-11	ELECT	10MF 20%				
C248	1-102-125-00	CERAMIC	0.0047MF 10%				

# VM-1341/1342Q/1343MD

**B** **B**      **F**

Les composants identifiés par une trame et une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark				
C249	1-124-478-11	ELECT	100MF	20%	25V	R233	1-249-415-11	CARBON	680	5%	1/4W
C255	1-101-004-00	CERAMIC	0.01MF	50V	R234	1-249-411-11	CARBON	330	5%	1/4W	
C265	1-102-978-00	CERAMIC	220PF	5%	R235	1-249-415-11	CARBON	680	5%	1/4W	
C266	1-101-003-00	CERAMIC	0.0047MF	50V	R236	1-249-411-11	CARBON	330	5%	1/4W	
C267	1-124-478-11	ELECT	100MF	20%	R237	1-249-411-11	CARBON	330	5%	1/4W	
C272	1-101-002-00	CERAMIC	0.0022MF	50V	R238	1-249-405-11	CARBON	100	5%	1/4W	
C273	1-101-002-00	CERAMIC	0.0022MF	50V	R239	1-249-417-11	CARBON	1K	5%	1/4W	
C291	1-101-004-00	CERAMIC	0.01MF	50V	R240	1-249-407-11	CARBON	150	5%	1/4W	
C292	1-101-004-00	CERAMIC	0.01MF	50V	R241	1-247-895-00	CARBON	470K	5%	1/4W	
					R242	1-249-421-11	CARBON	2.2K	5%	1/4W	
		<u>FILTER BLOCK</u>			R243	1-249-435-11	CARBON	33K	5%	1/4W	
CFM201	1-464-880-11	FILTER BLOCK, COM (CFB-2)			R244	1-249-435-11	CARBON	33K	5%	1/4W	
		<u>DIODE</u>			R245	1-249-422-11	CARBON	2.7K	5%	1/4W	
D240	8-719-110-16	DIODE RD10ES-B1			R250	1-249-405-11	CARBON	100	5%	1/4W	
		<u>DELAY LINE</u>			R254	1-249-421-11	CARBON	2.2K	5%	1/4W	
DL230	1-415-632-11	DELAY LINE, Y			R255	1-249-417-11	CARBON	1K	5%	1/4W	
		<u>IC</u>			R256	1-249-405-11	CARBON	100	5%	1/4W	
IC210	8-759-240-53	IC TC4053BP			R268	1-249-417-11	CARBON	1K	5%	1/4W	
		<u>MODULE</u>			R270	1-249-417-11	CARBON	1K	5%	1/4W	
PCM290	1-808-628-11	MODULE, PHASE PHM-1			R271	1-249-417-11	CARBON	1K	5%	1/4W	
		<u>TRANSISTOR</u>			R272	1-249-417-11	CARBON	1K	5%	1/4W	
Q201	8-729-178-54	TRANSISTOR 2SC2785			R273	1-249-426-11	CARBON	5.6K	5%	1/4W	
Q214	8-729-178-54	TRANSISTOR 2SC2785			R274	1-249-429-11	CARBON	10K	5%	1/4W	
Q230	8-729-178-54	TRANSISTOR 2SC2785			R294	1-249-405-11	CARBON	100	5%	1/4W	
Q231	8-729-178-54	TRANSISTOR 2SC2785			R295	1-249-405-11	CARBON	100	5%	1/4W	
Q232	8-729-178-54	TRANSISTOR 2SC2785									
Q233	8-729-117-54	TRANSISTOR 2SA1175									
Q234	8-729-178-54	TRANSISTOR 2SC2785									
Q240	8-729-177-42	TRANSISTOR 2SD774-3									
Q241	8-729-178-54	TRANSISTOR 2SC2785									
Q262	8-729-178-54	TRANSISTOR 2SC2785									
Q263	8-729-178-54	TRANSISTOR 2SC2785									
Q264	8-729-117-54	TRANSISTOR 2SA1175									
		<u>RESISTOR</u>									
R201	1-249-435-11	CARBON	33K	5%	1/4W	C602 A.1-161-830-51	CERAMIC	0.0047MF	500V		
R202	1-249-435-11	CARBON	33K	5%	1/4W	C603 A.1-161-830-51	CERAMIC	0.0047MF	500V		
R203	1-249-405-11	CARBON	100	5%	1/4W	C604 A.1-161-830-51	CERAMIC	0.0047MF	500V		
R204	1-249-421-11	CARBON	2.2K	5%	1/4W	C605 A.1-161-830-51	CERAMIC	0.0047MF	500V		
R218	1-249-425-11	CARBON	4.7K	5%	1/4W	C606 1-125-222-41	ELECT(BLOCK)	330MF	20%	400V	
R219	1-249-405-11	CARBON	100	5%	1/4W	C607 A.1-136-360-51	FILM	0.22MF	20%	250V	
R220	1-249-428-11	CARBON	8.2K	5%	1/4W	C608 A.1-136-360-51	FILM	0.22MF	20%	250V	
R221	1-249-423-11	CARBON	3.3K	5%	1/4W	C609 A.1-136-360-51	FILM	0.22MF	20%	250V	
R224	1-249-439-11	CARBON	68K	5%	1/4W	C611 1-102-973-00	CERAMIC	100PF	5%	50V	
R225	1-249-439-11	CARBON	68K	5%	1/4W	C612 1-161-754-00	CERAMIC	0.001MF	10%	3KV	
R226	1-249-439-11	CARBON	68K	5%	1/4W	C613 1-123-946-00	ELECT	4.7MF	20%	250V	
R227	1-249-386-11	CARBON	2.7	5%	1/4W	C614 1-136-067-00	FILM	0.0036MF	3%	2KV	
R228	1-249-433-11	CARBON	22K	5%	1/4W	C615 1-129-765-00	FILM	0.047MF	10%	200V	
R229	1-249-433-11	CARBON	22K	5%	1/4W	C616 1-123-929-91	ELECT	1MF	20%	160V	
R230	1-249-429-11	CARBON	10K	5%	1/4W	C617 1-124-902-00	ELECT	0.47MF	20%	50V	
R231	1-249-422-11	CARBON	2.7K	5%	1/4W	C618 1-162-318-11	CERAMIC	0.001MF	10%	500V	
R232	1-249-415-11	CARBON	680	5%	1/4W	C619 1-123-875-11	ELECT	10MF	20%	50V	
						C620 1-124-446-11	ELECT	47MF	20%	10V	
						C621 1-130-475-00	FILM	0.0022MF	5%	50V	
						C622 1-104-067-00	POLYSTYRENE	390PF	5%	50V	
						C623 1-126-233-11	ELECT	22MF	20%	25V	
						C624 1-162-318-11	CERAMIC	0.001MF	10%	500V	
						C625 1-124-463-00	ELECT	0.1MF	20%	50V	

The components identified by shading and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark	
C626	1-161-973-00	CERAMIC	220PF	10%	400V	IC651	8-759-927-49	IC IR9431
C627	1-136-066-00	FILM	0.003MF	3%	2KV	L621	1-407-365-00	COIL, CHOKE
C631	1-162-116-00	CERAMIC	680PF	10%	2KV	L622	1-408-226-00	INDUCTOR 82UH
C633	1-162-131-11	CERAMIC	220PF	10%	2KV	L623	1-410-397-21	FERRITE BEAD INDUCTOR
C651	1-125-294-11	ELECT(BLOCK)	560MF	20%	160V	L624 $\Delta$	1-410-396-31	FERRITE BEAD INDUCTOR
C654	1-102-030-00	CERAMIC	330PF	10%	500V	L625 $\Delta$	1-410-396-31	FERRITE BEAD INDUCTOR
C656	1-102-030-00	CERAMIC	330PF	10%	500V	L626	1-459-946-11	COIL, NOISE FILTER
C657	1-161-973-00	CERAMIC	220PF	10%	400V	L627	1-459-946-11	COIL, NOISE FILTER
C658	1-124-499-11	ELECT	1MF	20%	50V	<u>TRANSISTOR</u>		
C659	1-108-614-11	MYLAR	0.001MF	10%	100V	C611	8-729-119-80	TRANSISTOR 2SC2688-LK
C660 $\Delta$	1-162-578-51	CERAMIC	0.0047MF	20%	400V	C612	8-729-119-80	TRANSISTOR 2SC2688-LK
			(PVM-1341/1342Q ONLY)			C613	8-729-802-14	TRANSISTOR 2SC3460
	$\Delta$ . 1-162-577-51	CERAMIC	0.0022MF	20%	400V	C614	8-729-119-80	TRANSISTOR 2SC2688-LK
			(PVM-1343MD ONLY)			C615	8-729-178-54	TRANSISTOR 2SC2785
C661 $\Delta$	1-162-578-51	CERAMIC	0.0047MF	20%	400V	C617	8-729-178-54	TRANSISTOR 2SC2785
			(PVM-1341/1342Q ONLY)			<u>RESISTOR</u>		
	$\Delta$ . 1-162-577-51	CERAMIC	0.0022MF	20%	400V	R601	1-205-712-00	WIREWOUND
C671	1-123-874-51	ELECT	470MF	20%	16V	R602 $\Delta$	1-214-947-21	METAL
C674	1-124-448-51	ELECT	1000MF	20%	35V	R603 $\Delta$	1-246-521-75	CARBON
C675	1-162-116-00	CERAMIC	680PF	10%	2KV	R604 $\Delta$	1-246-521-75	CARBON
C676	1-102-973-00	CERAMIC	100PF	5%	50V	R605	1-202-720-00	SOLID
<u>DIODE</u>								
D601 $\Delta$	8-719-503-06	DIODE S3WB60Z				R606	1-249-423-11	CARBON
D605	8-719-911-19	DIODE 1SS119				R610	1-249-405-11	CARBON
D606	8-719-911-19	DIODE 1SS119				R611	1-216-444-11	METAL OXIDE
D607	8-719-110-90	DIODE RD39ES-B4				R612	1-216-444-11	METAL OXIDE
D608	8-719-110-90	DIODE RD39ES-B4				R613	1-249-496-11	CARBON
D611	8-719-118-34	DIODE RD110E-B				R614	1-215-923-00	METAL OXIDE
D612	8-719-925-06	DIODE ERC25-06S				R615	1-247-887-00	CARBON
D613	8-719-200-02	DIODE 10E2				R616	1-247-711-11	CARBON
D614	8-719-925-06	DIODE ERC25-06S				R617	1-247-725-11	CARBON
D615	8-719-109-97	DIODE RD6.8ES-B2				R618	1-249-396-11	CARBON
D616	8-719-925-06	DIODE ERC25-06S				R619	1-247-710-11	CARBON
D617	8-719-911-19	DIODE 1SS119				R620	1-217-192-21	WIREWOUND
D619	8-719-911-19	DIODE 1SS119				R621	1-249-423-11	CARBON
D620	8-719-925-06	DIODE ERC25-06S				R622	1-249-434-11	CARBON
D622	8-719-100-74	DIODE RD16E-B2				R623	1-215-457-00	METAL
D651	8-719-300-33	DIODE RU3AM				R624	1-249-429-11	CARBON
D652	8-719-200-02	DIODE 10E2				R625	1-247-726-11	CARBON
D653	8-719-300-76	DIODE RH-1A				R626	1-249-411-11	CARBON
D654	8-719-911-19	DIODE 1SS119				R627	1-249-438-11	CARBON
D655	8-719-110-41	DIODE RD15ES-B2				R628	1-247-887-00	CARBON
<u>CONNECTOR</u>								
F1	*1-568-106-11	PIN, CONNECTOR 7P				R629	1-249-428-11	CARBON
F3	*1-508-765-00	PIN, CONNECTOR (5MM PITCH) 3P				R630	1-249-436-11	CARBON
F4	*1-508-786-00	PIN, CONNECTOR (5MM PITCH) 2P				R631	1-249-424-11	CARBON
F5	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P				R632	1-247-753-11	CARBON
F6	*1-506-371-00	PIN, CONNECTOR 2P				R633	1-249-441-11	CARBON
F7	*1-568-106-11	PIN, CONNECTOR 7P				R634	1-249-417-11	CARBON
<u>FUSE</u>								
F601 $\Delta$	1-532-746-11	FUSE, GLASS TUBE 4A/125V				R635	1-205-928-11	WIREWOUND
	*1-533-189-11	HOLDER, FUSE; F601				R636	1-205-927-11	WIREWOUND
F602 $\Delta$	1-532-775-21	FUSE, MICRO (SECONDARY) 0.8A/125V				R637	1-216-465-11	METAL OXIDE
<u>IC</u>								
IC601	8-759-100-75	IC UPC1394C				R640	1-249-438-11	CARBON
IC602	8-719-939-00	DIODE PC111S				R644	1-247-885-00	CARBON
						R648	1-247-887-00	CARBON
						R651	1-246-523-75	CARBON
						R652	1-215-924-00	METAL OXIDE
						R653	1-249-417-11	CARBON
						R654	1-246-523-75	CARBON

**F** **Qc**

- The components identified by  in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

**Les composants identifiés par une trame et une marque Δ sont critiques pour la sécurité.**  
Ne les remplacer que par une pièce portant le numéro spécifique.

The components identified by shading and mark  are critical for safety.  
Replace only with part number specified.

Ref. No.	Part No.	Description			Remark	Ref. No.	Part No.	Description		Remark
R655	1-249-469-11	CARBON	100K	5%	1/4W					
R656	1-247-895-00	CARBON	470K	5%	1/4W					
R657	1-247-883-00	CARBON	150K	5%	1/4W					
R658△	1-247-289-11	CARBON	8.2M	5%	1W					
R661	1-249-443-11	CARBON	0.47	5%	1/4W F					
R665	1-215-427-00	METAL	1.8K	1%	1/6W					
R669	1-249-443-11	CARBON	0.47	5%	1/4W F					
R671	1-215-412-00	METAL	430	1%	1/6W					
R682	1-215-923-00	METAL OXIDE	10K	5%	3W F					
R688	1-249-427-11	CARBON	6.8K	5%	1/4W					
<u><b>VARIABLE RESISTOR</b></u>										
RV601	1-230-504-11	RES, ADJ, CARBON	220							
<u><b>TRANSFORMER</b></u>										
T602	1-437-079-00	TRANSFORMER, HORIZONTAL DRIVE								
T603△	1-448-895-11	SRT								
T604△	1-421-778-11	LFT								
T605△	1-421-758-11	TRANSFORMER, LINE FILTER (LFT)								
<u><b>THERMISTOR</b></u>										
TH611	1-800-954-11	THERMISTOR S-3K								
THP601A	1-808-081-11	THERMISTOR, POSITIVE								
*****										
*A-1270-247-A	QC BOARD, COMPLETE									
	*****									
1-537-191-11	TERMINAL BOARD, INPUT/OUTPUT (R)									
1-537-192-11	TERMINAL BOARD, INPUT/OUTPUT (L)									
*4-379-104-01	INSULATOR, SLIDE SW									
<u><b>CAPACITOR</b></u>										
C101	1-124-589-11	ELECT	47MF	.20%	16V					
C102	1-126-160-11	ELECT	1MF	20%	50V					
C103	1-126-160-11	ELECT	1MF	20%	50V					
C104	1-161-021-11	CERAMIC	0.047MF	10%	25V					
C105	1-126-160-11	ELECT	1MF	20%	50V					
C106	1-126-160-11	ELECT	1MF	20%	50V					
C107	1-124-589-11	ELECT	47MF	20%	16V					
C108	1-124-589-11	ELECT	47MF	20%	16V					
C109	1-124-589-11	ELECT	47MF	20%	16V					
C110	1-124-589-11	ELECT	47MF	20%	16V					
C111	1-124-589-11	ELECT	47MF	20%	16V					
C112	1-124-589-11	ELECT	47MF	20%	16V					
C113	1-124-589-11	ELECT	47MF	20%	16V					
C114	1-126-160-11	ELECT	1MF	20%	50V					
C115	1-126-160-11	ELECT	1MF	20%	50V					
<u><b>VARIABLE RESISTOR</b></u>										
RV101	1-228-848-00	RES, VAR, CARBON	10K							
RV102	1-228-847-11	RES, VAR, CARBON	10K							
C116	1-124-589-11	ELECT	47MF	20%	16V					
C117	1-126-157-11	ELECT	10MF	20%	16V					
C118	1-126-157-11	ELECT	10MF	20%	16V					
C119	1-126-157-11	ELECT	10MF	20%	16V					
C120	1-124-589-11	ELECT	47MF	20%	16V					
<u><b>SWITCH</b></u>										
S101	1-570-145-11	SWITCH, SLIDE								
C122	1-124-589-11	ELECT	47MF	20%	16V					
C123	1-124-589-11	ELECT	47MF	20%	16V					



Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark	
*A-1270-248-A	QD BOARD, COMPLETE	*****						
<u>TRANSISTOR</u>								
<u>CAPACITOR</u>								
C121	1-126-094-11	ELECT	4.7MF	20%	25V	Q101	8-729-178-54	TRANSISTOR 2SC2785
C124	1-101-004-00	CERAMIC	0.01MF	50V		Q102	8-729-178-54	TRANSISTOR 2SC2785
C125	1-124-477-11	ELECT	47MF	20%	16V	Q103	8-729-178-54	TRANSISTOR 2SC2785
C126	1-124-589-11	ELECT	47MF	20%	16V	Q104	8-729-178-54	TRANSISTOR 2SC2785
C127	1-101-004-00	CERAMIC	0.01MF	50V		Q105	8-729-178-54	TRANSISTOR 2SC2785
C128	1-124-589-11	ELECT	47MF	20%	16V	Q106	8-729-178-54	TRANSISTOR 2SC2785
C129	1-124-589-11	ELECT	47MF	20%	16V	Q107	8-729-178-54	TRANSISTOR 2SC2785
C130	1-124-584-00	ELECT	100MF	20%	10V	Q108	8-729-178-54	TRANSISTOR 2SC2785
C131	1-161-021-11	CERAMIC	0.047MF	10%	25V	Q109	8-729-178-54	TRANSISTOR 2SC2785
C132	1-102-963-00	CERAMIC	33PF	5%	50V	Q110	8-729-900-36	TRANSISTOR DTC124ES
C133	1-126-157-11	ELECT	10MF	20%	16V	Q111	8-729-900-89	TRANSISTOR DTC144ES
C134	1-161-021-11	CERAMIC	0.047MF	10%	25V	Q112	8-729-178-54	TRANSISTOR 2SC2785
C135	1-108-630-91	MYLAR	0.022MF	10%	100V	Q113	8-729-178-54	TRANSISTOR 2SC2785
C136	1-101-004-00	CERAMIC	0.01MF	50V		Q114	8-729-900-36	TRANSISTOR DTC124ES
C137	1-124-589-11	ELECT	47MF	20%	16V	Q115	8-729-178-54	TRANSISTOR 2SC2785
C138	1-124-589-11	ELECT	47MF	20%	16V	Q116	8-729-117-54	TRANSISTOR 2SA1175
C139	1-126-160-11	ELECT	1MF	20%	50V	Q117	8-729-117-54	TRANSISTOR 2SA1175
C140	1-124-589-11	ELECT	47MF	20%	16V	Q118	8-729-117-54	TRANSISTOR 2SA1175
C141	1-102-965-00	CERAMIC	39PF	5%	50V	Q119	8-729-900-65	TRANSISTOR DTA144ES
C142	1-102-965-00	CERAMIC	39PF	5%	50V	<u>RESISTOR</u>		
C143	1-102-965-00	CERAMIC	39PF	5%	50V	R135	1-249-417-11	CARBON 1K 5% 1/4W
C144	1-126-094-11	ELECT	4.7MF	20%	25V	R136	1-249-411-11	CARBON 330 5% 1/4W
C145	1-161-021-11	CERAMIC	0.047MF	10%	25V	R137	1-249-418-11	CARBON 1.2K 5% 1/4W
C146	1-124-589-11	ELECT	47MF	20%	16V	R138	1-249-421-11	CARBON 2.2K 5% 1/4W
C147	1-124-589-11	ELECT	47MF	20%	16V	R139	1-249-424-11	CARBON 3.9K 5% 1/4W
C148	1-126-157-11	ELECT	10MF	20%	16V	R140	1-249-417-11	CARBON 1K 5% 1/4W
C149	1-130-022-61	FILM	0.0022MF	10%	50V	R141	1-249-425-11	CARBON 4.7K 5% 1/4W
C150	1-130-483-00	MYLAR	0.01MF	5%	50V	R142	1-249-435-11	CARBON 33K 5% 1/4W
C151	1-130-471-00	FILM	0.001MF	10%	50V	R143	1-249-435-11	CARBON 33K 5% 1/4W
C172	1-101-005-00	CERAMIC	0.022MF	50V		R144	1-249-417-11	CARBON 1K 5% 1/4W
C173	1-136-169-00	FILM	0.22MF	5%	50V	R145	1-249-411-11	CARBON 330 5% 1/4W
C174	1-102-965-00	CERAMIC	39PF	5%	50V	R146	1-249-417-11	CARBON 1K 5% 1/4W
<u>DIODE</u>								
D102	8-719-110-03	DIODE RD7.5ES-B2				R147	1-249-411-11	CARBON 330 5% 1/4W
D103	8-719-911-19	DIODE 1SS119				R148	1-249-429-11	CARBON 10K 5% 1/4W
D104	8-719-911-19	DIODE 1SS119				R149	1-249-425-11	CARBON 4.7K 5% 1/4W
D105	8-719-911-19	DIODE 1SS119				R150	1-249-417-11	CARBON 1K 5% 1/4W
D106	8-719-109-85	DIODE RD5.1ES-B2				R151	1-249-429-11	CARBON 10K 5% 1/4W
D107	8-719-109-85	DIODE RD5.1ES-B2				R152	1-249-429-11	CARBON 10K 5% 1/4W
D113	8-719-911-19	DIODE 1SS119				R153	1-249-405-11	CARBON 100 5% 1/4W
D116	8-719-911-19	DIODE 1SS119				R154	1-249-405-11	CARBON 100 5% 1/4W
<u>IC</u>								
IC102	8-759-900-09	IC SN74LS09N				R155	1-249-433-11	CARBON 22K 5% 1/4W
IC103	8-759-901-38	IC SN74LS138N				R156	1-249-433-11	CARBON 22K 5% 1/4W
IC104	8-759-901-36	IC SN74LS136N				R157	1-249-430-11	CARBON 12K 5% 1/4W
IC105	8-759-900-11	IC SN74LS11N				R158	1-249-417-11	CARBON 1K 5% 1/4W
IC106	8-759-800-81	IC LA7016				R159	1-247-706-11	CARBON 330 5% 1/4W
IC107	8-759-933-23	IC BA236				R160	1-247-706-11	CARBON 330 5% 1/4W
<u>FILTER MODULE</u>								
LP101	1-235-988-11	FILTER MODULE, LOW PASS				R161	1-247-706-11	CARBON 330 5% 1/4W
						R162	1-249-426-11	CARBON 5.6K 5% 1/4W
						R163	1-249-421-11	CARBON 2.2K 5% 1/4W
						R164	1-249-421-11	CARBON 2.2K 5% 1/4W
						R165	1-249-425-11	CARBON 4.7K 5% 1/4W
						R166	1-249-425-11	CARBON 4.7K 5% 1/4W
						R167	1-247-721-11	CARBON 4.7K 5% 1/4W
						R168	1-249-421-11	CARBON 2.2K 5% 1/4W
						R169	1-249-433-11	CARBON 22K 5% 1/4W
						R170	1-249-437-11	CARBON 47K 5% 1/4W
						R171	1-247-725-11	CARBON 10K 5% 1/4W
						R172	1-249-405-11	CARBON 100 5% 1/4W
						R173	1-247-716-11	CARBON 1.8K 5% 1/4W
						R174	1-249-432-11	CARBON 18K 5% 1/4W

**PVM-1341/1342Q/1343MD**

**QD**

**QE**

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R175	1-249-408-11	CARBON	180 5% 1/4W	D114	8-719-911-19	DIODE 1SS119	
R176	1-249-437-11	CARBON	47K 5% 1/4W	D115	8-719-911-19	DIODE 1SS119	
R178	1-249-418-11	CARBON	1.2K 5% 1/4W				
R179	1-247-713-11	CARBON	1K 5% 1/4W				
R220	1-249-429-11	CARBON	10K 5% 1/4W				<u>IC</u>
R221	1-249-437-11	CARBON	47K 5% 1/4W	IC108	8-759-800-81	IC LA7016	
R222	1-249-437-11	CARBON	47K 5% 1/4W	IC109	8-759-800-81	IC LA7016	
R223	1-249-417-11	CARBON	1K 5% 1/4W	IC110	8-759-800-81	IC LA7016	
R224	1-249-429-11	CARBON	10K 5% 1/4W	IC111	8-759-710-31	IC NJM2243S	
R225	1-249-425-11	CARBON	4.7K 5% 1/4W				
R226	1-249-409-11	CARBON	220 5% 1/4W				<u>TRANSISTOR</u>
R231	1-249-432-11	CARBON	18K 5% 1/4W	Q116	8-729-178-54	TRANSISTOR 2SC2785	
R235	1-249-425-11	CARBON	4.7K 5% 1/4W	Q117	8-729-178-54	TRANSISTOR 2SC2785	
R236	1-249-417-11	CARBON	1K 5% 1/4W	Q118	8-729-117-54	TRANSISTOR 2SA1175	
R237	1-249-420-11	CARBON	1.8K 5% 1/4W	Q119	8-729-900-36	TRANSISTOR DTC124ES	
R241	1-249-408-11	CARBON	180 5% 1/4W	Q120	8-729-178-54	TRANSISTOR 2SC2785	
R242	1-249-405-11	CARBON	100 5% 1/4W	Q121	8-729-178-54	TRANSISTOR 2SC2785	
R244	1-249-405-11	CARBON	100 5% 1/4W	Q127	8-729-900-65	TRANSISTOR DTA144ES	
R260	1-249-433-11	CARBON	22K 5% 1/4W				
R261	1-249-433-11	CARBON	22K 5% 1/4W				
R263	1-249-405-11	CARBON	100 5% 1/4W				<u>CONNECTOR</u>
R299	1-249-420-11	CARBON	1.8K 5% 1/4W	QE1	*1-564-515-11	PLUG, CONNECTOR 12P	
				QE2	*1-564-516-11	PLUG, CONNECTOR 13P	
<u>VARIABLE RESISTOR</u>							
RV103	1-228-995-00	RES, ADJ, CARBON	22K				<u>RESISTOR</u>
				R180	1-249-405-11	CARBON	100 5% 1/4W
				R181	1-249-412-11	CARBON	390 5% 1/4W
S102	1-553-977-41	SWITCH, SLIDE		R182	1-249-417-11	CARBON	1K 5% 1/4W
				R183	1-249-436-11	CARBON	39K 5% 1/4W
				R184	1-249-435-11	CARBON	33K 5% 1/4W
*****							
*A-1270-249-A QE BOARD, COMPLETE				R185	1-249-405-11	CARBON	100 5% 1/4W
*****				R186	1-249-433-11	CARBON	22K 5% 1/4W
				R187	1-249-433-11	CARBON	22K 5% 1/4W
				R188	1-249-405-11	CARBON	100 5% 1/4W
				R189	1-249-433-11	CARBON	22K 5% 1/4W
<u>CAPACITOR</u>							
C152	1-101-004-00	CERAMIC	0.01MF	R190	1-249-433-11	CARBON	22K 5% 1/4W
C154	1-123-875-11	ELECT	10MF	R192	1-249-437-11	CARBON	47K 5% 1/4W
C155	1-124-499-11	ELECT	1MF	R193	1-249-429-11	CARBON	10K 5% 1/4W
C156	1-124-499-11	ELECT	1MF	R194	1-249-433-11	CARBON	22K 5% 1/4W
C157	1-126-160-11	ELECT	1MF	R195	1-249-433-11	CARBON	22K 5% 1/4W
				R196	1-249-405-11	CARBON	100 5% 1/4W
C158	1-124-477-11	ELECT	47MF	R197	1-249-421-11	CARBON	2.2K 5% 1/4W
C159	1-124-499-11	ELECT	1MF	R198	1-249-421-11	CARBON	2.2K 5% 1/4W
C160	1-124-499-11	ELECT	1MF	R199	1-249-441-11	CARBON	100K 5% 1/4W
C161	1-124-477-11	ELECT	47MF	R200	1-249-435-11	CARBON	33K 5% 1/4W
C162	1-124-477-11	ELECT	47MF				
				R201	1-249-428-11	CARBON	8.2K 5% 1/4W
C163	1-124-477-11	ELECT	47MF	R202	1-249-417-11	CARBON	1K 5% 1/4W
C164	1-161-021-11	CERAMIC	0.047MF	R203	1-249-429-11	CARBON	10K 5% 1/4W
C165	1-124-477-11	ELECT	47MF	R204	1-249-428-11	CARBON	8.2K 5% 1/4W
C166	1-124-477-11	ELECT	47MF	R205	1-249-405-11	CARBON	100 5% 1/4W
C167	1-124-477-11	ELECT	47MF				
				R206	1-249-429-11	CARBON	10K 5% 1/4W
C168	1-124-477-11	ELECT	47MF	R207	1-249-429-11	CARBON	10K 5% 1/4W
C169	1-161-021-11	CERAMIC	0.047MF	R208	1-249-417-11	CARBON	1K 5% 1/4W
C170	1-124-477-11	ELECT	47MF	R209	1-249-405-11	CARBON	100 5% 1/4W
C171	1-124-925-11	ELECT	2.2MF	R210	1-249-433-11	CARBON	22K 5% 1/4W
				R211	1-249-433-11	CARBON	22K 5% 1/4W
<u>DIODE</u>							
D108	8-719-911-19	DIODE 1SS119		R212	1-249-433-11	CARBON	22K 5% 1/4W
D109	8-719-911-19	DIODE 1SS119		R213	1-249-433-11	CARBON	22K 5% 1/4W
D110	8-719-911-19	DIODE 1SS119		R215	1-249-405-11	CARBON	100 5% 1/4W
D111	8-719-911-19	DIODE 1SS119		R216	1-249-411-11	CARBON	330 5% 1/4W
D112	8-719-911-19	DIODE 1SS119		R217	1-249-433-11	CARBON	22K 5% 1/4W
				R251	1-249-417-11	CARBON	1K 5% 1/4W
				R252	1-249-417-11	CARBON	1K 5% 1/4W

QE

A

Ref. No.	Part No.	Description				Remark	Ref. No.	Part No.	Description				Remark
R253	1-249-417-11	CARBON	1K	5%	1/4W		C329	1-124-477-11	ELECT	47MF	20%	25V	
R265	1-249-415-11	CARBON	680	5%	1/4W		C330	1-101-880-00	CERAMIC	47PF	5%	50V	
*****													
*A-1296-520-A	A BOARD, COMPLETE	*****					C331	1-101-004-00	CERAMIC	0.01MF	50V		
*4-329-153-00	HEAT SINK, V OUT						C332	1-102-971-00	CERAMIC	82PF	5%	50V	
*4-341-751-01	EYELET						C333	1-136-165-00	FILM	0.1MF	5%	50V	
*4-341-752-01	EYELET						C334	1-136-173-00	FILM	0.47MF	5%	50V	
*4-363-404-00	HOLDER, IC						C335	1-136-173-00	FILM	0.47MF	5%	50V	
4-363-414-00	SPACER, MICA						C336	1-102-971-00	CERAMIC	82PF	5%	50V	
CONNECTOR													
A1	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P					C337	1-124-477-11	ELECT	47MF	20%	25V	
A2	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P					C338	1-124-477-11	ELECT	47MF	20%	25V	
A3	*1-565-498-11	CONNECTOR, BOARD TO BOARD 7P					C339	1-124-477-11	ELECT	47MF	20%	25V	
A4	*1-564-596-11	PLUG, CONNECTOR 15P					C340	1-124-477-11	ELECT	47MF	20%	25V	
A5	*1-564-596-11	PLUG, CONNECTOR 15P					C341	1-124-477-11	ELECT	47MF	20%	25V	
A6	*1-565-497-11	CONNECTOR, BOARD TO BOARD 6P					C342	1-124-477-11	ELECT	47MF	20%	25V	
A7	*1-565-498-11	CONNECTOR, BOARD TO BOARD 7P					C343	1-124-477-11	ELECT	47MF	20%	25V	
A8	*1-565-506-11	CONNECTOR, BOARD TO BOARD 15P					C344	1-124-477-11	ELECT	47MF	20%	25V	
A9	*1-565-506-11	CONNECTOR, BOARD TO BOARD 15P					C345	1-102-949-00	CERAMIC	12PF	5%	50V	
A10	*1-564-596-11	PLUG, CONNECTOR 15P					C346	1-126-233-11	ELECT	22MF	20%	50V	
A11	*1-564-596-41	PLUG, CONNECTOR 15P					C347	1-123-875-11	ELECT	10MF	20%	50V	
A13	*1-568-105-11	HOUSING, CONNECTOR 10P					C348	1-101-004-00	CERAMIC	0.01MF	50V		
A14	*1-568-105-11	HOUSING, CONNECTOR 10P					C349	1-124-120-11	ELECT	220MF	20%	25V	
A16	*1-560-123-00	PLUG, CONNECTOR (2.5MM) 3P					C350	1-101-884-00	CERAMIC	56PF	5%	50V	
A17	*1-565-496-11	CONNECTOR, BOARD TO BOARD 5P					C351	1-102-106-00	CERAMIC	100PF	10%	50V	
A18	*1-564-038-00	CONNECTOR PLUG, DY (MINI) 6P					C352	1-102-125-00	CERAMIC	0.0047MF	10%	50V	
A19	*1-508-768-00	PIN, CONNECTOR (5MM PITCH) 6P					C353	1-161-021-11	CERAMIC	0.047MF	10%	25V	
A20	*1-564-507-11	PLUG, CONNECTOR 4P					C401	1-136-153-00	FILM	0.01MF	5%	50V	
A22	*1-564-505-11	PLUG, CONNECTOR 2P					C402	1-136-165-00	FILM	0.1MF	5%	50V	
CAPACITOR													
C300	1-123-875-11	ELECT	10MF	20%	50V		C412	1-124-463-00	ELECT	0.1MF	20%	50V	
C301	1-124-477-11	ELECT	47MF	20%	25V		C413	1-124-463-00	ELECT	0.1MF	20%	50V	
C302	1-101-884-00	CERAMIC	56PF	5%	50V		C414	1-136-165-00	FILM	0.1MF	5%	50V	
C303	1-136-173-00	FILM	0.47MF	5%	50V		C415	1-136-165-00	FILM	0.1MF	5%	50V	
C304	1-101-884-00	CERAMIC	56PF	5%	50V		C416	1-126-233-11	ELECT	22MF	20%	50V	
C305	1-136-173-00	FILM	0.47MF	5%	50V		C417	1-136-161-00	FILM	0.047MF	5%	50V	
C306	1-102-125-00	CERAMIC	0.0047MF	10%	50V		C418	1-136-153-00	FILM	0.01MF	5%	50V	
C307	1-124-477-11	ELECT	47MF	20%	25V		C419	1-110-203-51	MYLAR	0.0047MF	5%	50V	
C308	1-124-477-11	ELECT	47MF	20%	25V		C420	1-136-161-00	FILM	0.047MF	5%	50V	
C309	1-102-125-00	CERAMIC	0.0047MF	10%	50V		C421	1-136-153-00	FILM	0.01MF	5%	50V	
C310	1-102-125-00	CERAMIC	0.0047MF	10%	50V		C422	1-110-203-51	MYLAR	0.0047MF	5%	50V	
C311	1-102-125-00	CERAMIC	0.0047MF	10%	50V		C423	1-136-153-00	FILM	0.01MF	5%	50V	
C312	1-123-875-11	ELECT	10MF	20%	50V		C424	1-110-203-51	MYLAR	0.0047MF	5%	50V	
C313	1-102-074-00	CERAMIC	0.001MF	10%	50V		C425	1-124-478-11	ELECT	100MF	20%	25V	
C314	1-102-074-00	CERAMIC	0.001MF	10%	50V		C426	1-136-161-00	FILM	0.047MF	5%	50V	
C315	1-124-927-11	ELECT	4.7MF	20%	50V		C427	1-124-478-11	ELECT	100MF	20%	25V	
C316	1-136-161-00	FILM	0.047MF	5%	50V		C428	1-124-478-11	ELECT	100MF	20%	25V	
C317	1-136-161-00	FILM	0.047MF	5%	50V		C430	1-101-888-00	CERAMIC	68PF	5%	50V	
C318	1-136-165-00	FILM	0.1MF	5%	50V		C431	1-101-888-00	CERAMIC	68PF	5%	50V	
C319	1-101-004-00	CERAMIC	0.01MF	50V			C470	1-124-120-11	ELECT	220MF	20%	25V	
C320	1-124-499-11	ELECT	1MF	20%	50V		C471	1-124-120-11	ELECT	220MF	20%	25V	
C321	1-124-477-11	ELECT	47MF	20%	25V		C472	1-101-004-00	CERAMIC	0.01MF	50V		
C322	1-124-902-00	ELECT	0.47MF	20%	50V		C473	1-124-478-11	ELECT	100MF	20%	25V	
C323	1-101-361-00	CERAMIC	150PF	5%	50V		C474	1-101-004-00	CERAMIC	0.01MF	50V		
C324	1-124-477-11	ELECT	47MF	20%	25V		C475	1-101-004-00	CERAMIC	0.01MF	50V		
C325	1-101-361-00	CERAMIC	150PF	5%	50V		C476	1-101-888-00	CERAMIC	68PF	5%	50V	
C326	1-124-477-11	ELECT	47MF	20%	25V		C477	1-101-006-00	CERAMIC	0.047MF	50V		
C327	1-124-477-11	ELECT	47MF	20%	25V		C478	1-101-004-00	CERAMIC	0.01MF	50V		
C328	1-124-009-11	ELECT	47MF	20%	25V		C479	1-124-478-11	ELECT	100MF	20%	25V	
							C480	1-101-004-00	CERAMIC	0.01MF	50V		
							C481	1-101-004-00	CERAMIC	0.01MF	50V		

# VM-1341/1342Q/1343MD

A

Les composants identifiés par une trame et une marque **A** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **A** are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description		Remark	Ref. No.	Part No.	Description		Remark		
C482	1-124-478-11	ELECT	100MF	20%	25V	C549	1-123-875-11	ELECT	10MF	20%	50V
C483	1-124-120-11	ELECT	220MF	20%	25V	C550	1-102-244-00	CERAMIC	220PF	10%	500V
C484	1-101-004-00	CERAMIC	0.01MF		50V	C551	1-124-360-00	ELECT	1000MF	20%	16V
C485	1-124-478-11	ELECT	100MF	20%	25V	C552	1-124-499-11	ELECT	1MF	20%	50V
C486	1-101-004-00	CERAMIC	0.01MF		50V	C553	1-108-626-11	MYLAR	0.01MF	10%	100V
C487	1-101-004-00	CERAMIC	0.01MF		50V	C554	1-124-499-11	ELECT	1MF	20%	50V
C488	1-124-120-11	ELECT	220MF	20%	25V	C555	1-108-633-11	MYLAR	0.039MF	10%	100V
C489	1-124-927-11	ELECT	4.7MF	20%	50V	C556	1-136-173-00	FILM	0.47MF	5%	50V
C491	1-101-004-00	CERAMIC	0.01MF		50V	C557	1-124-902-00	ELECT	0.47MF	20%	50V
C492	1-124-120-11	ELECT	220MF	20%	25V	C558	1-131-356-00	TANTALUM	3.3MF	10%	25V
C493	1-101-004-00	CERAMIC	0.01MF		50V	C559	1-123-875-11	ELECT	10MF	20%	50V
C494	1-124-120-11	ELECT	220MF	20%	25V	C560	1-136-161-00	FILM	0.047MF	5%	50V
C495	1-101-880-00	CERAMIC	47PF	5%	50V	C561	1-102-973-00	CERAMIC	100PF	5%	50V
C496	1-124-478-11	ELECT	100MF	20%	25V	C562	1-130-471-00	FILM	0.001MF	5%	50V
C497	1-124-120-11	ELECT	220MF	20%	25V	C563	1-123-875-11	ELECT	10MF	20%	50V
C498	1-124-925-11	ELECT	2.2MF	20%	50V	C564	1-102-978-00	CERAMIC	220PF	5%	50V
C500	1-101-884-00	CERAMIC	56PF	5%	50V	C565	1-124-478-11	ELECT	100MF	20%	25V
C501	1-124-120-11	ELECT	220MF	20%	25V	C566	1-124-499-11	ELECT	1MF	20%	50V
C502	1-124-927-11	ELECT	4.7MF	20%	50V	C567	1-123-875-11	ELECT	10MF	20%	50V
C503	1-124-927-11	ELECT	4.7MF	20%	50V	C568	1-108-614-11	MYLAR	0.001MF	10%	100V
C504	1-102-114-00	CERAMIC	470PF	10%	50V	C569	1-130-736-11	FILM	0.01MF	5%	50V
C505	1-123-875-11	ELECT	10MF	20%	50V	C570	1-123-875-11	ELECT	10MF	20%	50V
C506	1-129-794-91	FILM	0.0033MF	5%	100V	C571	1-126-233-11	ELECT	22MF	20%	25V
C507	1-106-180-91	MYLAR	0.0022MF	5%	100V	C572	1-124-499-11	ELECT	1MF	20%	50V
C508	1-108-626-11	MYLAR	0.01MF	10%	100V	C573	1-123-875-11	ELECT	10MF	20%	50V
C509	1-108-630-91	MYLAR	0.022MF	10%	100V	C574	1-124-478-11	ELECT	100MF	20%	25V
C510	1-108-626-11	MYLAR	0.01MF	10%	100V	C575	1-102-978-00	CERAMIC	220PF	5%	50V
C511	1-124-902-00	ELECT	0.47MF	20%	50V	C576	1-161-021-11	CERAMIC	0.047MF	10%	25V
C512	1-102-030-00	CERAMIC	330PF	10%	500V	C577	1-123-875-11	ELECT	10MF	20%	50V
C513	1-136-334-51	FILM	0.033MF	5%	630V	C578	1-124-477-11	ELECT	47MF	20%	25V
C514 A	1-136-078-11	FILM	0.0098MF	3%	2KV	C579	1-124-477-11	ELECT	47MF	20%	25V
C515 A	1-162-116-51	CERAMIC	680PF	10%	2KV	C580	1-124-499-11	ELECT	1MF	20%	50V
C516 A	1-162-116-51	CERAMIC	680PF	10%	2KV	C581	1-124-478-11	ELECT	100MF	20%	25V
C517	1-108-692-11	MYLAR	0.01MF	10%	200V	C583	1-126-233-11	ELECT	22MF	20%	50V
C518	1-126-104-11	ELECT	470MF	20%	35V	C584	1-126-233-11	ELECT	22MF	20%	50V
C519	1-124-120-11	ELECT	220MF	20%	25V	C585	1-102-110-00	CERAMIC	220PF	10%	50V
C520	1-123-024-51	ELECT	33MF		160V	C590	1-126-233-11	ELECT	22MF	20%	50V
C521	1-102-212-00	CERAMIC	820PF	10%	500V	C591	1-124-925-11	ELECT	2.2MF	20%	50V
C522	1-102-212-00	CERAMIC	820PF	10%	500V	C801	1-101-004-00	CERAMIC	0.01MF	50V	
C523	1-162-114-00	CERAMIC	0.0047MF		2KV	C802	1-101-361-00	CERAMIC	150PF	5%	50V
C524	1-108-700-11	MYLAR	0.047MF	10%	200V	C803	1-102-976-00	CERAMIC	180PF	5%	50V
C525	1-108-634-11	MYLAR	0.047MF	10%	100V	C804	1-126-233-11	ELECT	22MF	20%	50V
C526	1-124-477-11	ELECT	47MF	20%	25V	C805	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C527	1-124-902-00	ELECT	0.47MF	20%	50V	C806	1-101-884-00	CERAMIC	56PF	5%	50V
C528	1-124-902-00	ELECT	0.47MF	20%	50V	C807	1-130-736-11	FILM	0.01MF	5%	50V
C529	1-126-233-11	ELECT	22MF	20%	50V	C808	1-124-120-11	ELECT	220MF	20%	25V
C530	1-123-875-11	ELECT	10MF	20%	50V	C809	1-101-004-00	CERAMIC	0.01MF	50V	
C531	1-131-351-00	TANTALUM	4.7MF	10%	35V	C810	1-108-620-11	MYLAR	0.0033MF	10%	100V
C532	1-123-948-00	ELECT	22MF	20%	250V	C811	1-124-927-11	ELECT	4.7MF	20%	50V
C533	1-136-111-00	FILM	1MF	5%	200V	C1001	1-124-478-11	ELECT	100MF	20%	25V
C534	1-106-399-00	MYLAR	0.22MF	10%	200V	C1002	1-123-875-11	ELECT	10MF	20%	50V
C535	1-123-946-00	ELECT	4.7MF	20%	250V	C1003	1-102-125-00	CERAMIC	0.0047MF	10%	50V
C536	1-136-111-00	FILM	1MF	5%	200V	C1004	1-124-464-11	ELECT	0.22MF	20%	50V
C537	1-102-002-00	CERAMIC	680PF	10%	500V	C1005	1-123-875-11	ELECT	10MF	20%	50V
C538	1-108-626-11	MYLAR	0.01MF	10%	100V	C1006	1-123-875-11	ELECT	10MF	20%	50V
C539	1-108-626-11	MYLAR	0.01MF	10%	100V	C1007	1-108-634-11	MYLAR	0.047MF	10%	100V
C540	1-108-616-91	MYLAR	0.0015MF	10%	100V	C1008	1-124-478-11	ELECT	100MF	20%	25V
C541	1-124-192-11	ELECT	4.7MF	20%	50V	C1009	1-124-480-11	ELECT	470MF	20%	25V
C542	1-123-875-11	ELECT	10MF	20%	50V	C1010	1-124-478-11	ELECT	100MF	20%	25V
C543	1-124-927-11	ELECT	4.7MF	20%	50V	C1011	1-124-477-11	ELECT	47MF	20%	25V
C544	1-124-117-51	ELECT	680MF	10%	25V	C1012	1-124-120-11	ELECT	220MF	20%	25V
C545	1-108-694-81	MYLAR	0.015MF	10%	200V	C1013	1-124-478-11	ELECT	100MF	20%	25V
C546	1-102-030-00	CERAMIC	330PF	10%	500V						
C547	1-124-342-00	ELECT	3.3MF	20%	160V						
C548	1-102-030-00	CERAMIC	330PF	10%	500V						

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Ne les remplacer que par une pièce portant le numéro spécifié.

A

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark				
<u>DIODE</u>											
D302	8-719-911-19	DIODE 1SS119		IC301	8-759-204-21	IC TA7193P					
D303	8-719-911-19	DIODE 1SS119		IC302	1-808-627-11	ACC BLOCK ACC-1					
D304	8-719-911-19	DIODE 1SS119		IC303	8-759-710-31	IC NJM2243S					
D305	8-719-911-19	DIODE 1SS119		IC304	1-235-534-11	CONTROL MODULE, PICTURE					
D306	8-719-911-19	DIODE 1SS119		IC305	8-749-920-72	IC BX7573					
D307	8-719-911-19	DIODE 1SS119		IC306	8-759-420-08	IC AN5613					
D308	8-719-911-19	DIODE 1SS119		IC307	1-808-629-11	MODULE, BLUE ONLY BOM-1					
D309	8-719-911-19	DIODE 1SS119		IC308	1-808-626-11	MODULE, GAIN/BIAS GBM-1					
D311	8-719-911-19	DIODE 1SS119		IC309	8-759-240-52	IC TC4052BP					
D312	8-719-911-19	DIODE 1SS119		IC311	8-759-800-81	IC LA7016					
D313	8-719-911-19	DIODE 1SS119		IC312	8-759-800-81	IC LA7016					
D314	8-719-911-19	DIODE 1SS119		IC401	8-752-030-31	IC CXA1024S					
D400	8-719-121-40	DIODE RD10ES-L3		IC501	8-759-100-60	IC UPC1377C					
D401	8-719-911-19	DIODE 1SS119		IC502	8-759-145-58	IC UPC4558C					
D402	8-719-120-27	DIODE RD4.3ES-L2		IC503	8-749-920-74	IC BX7574					
D403	8-719-109-93	DIODE RD6.2ES-B2		IC504	8-759-345-38	IC HD14538BP					
D404	8-719-911-19	DIODE 1SS119		IC505	8-759-700-06	IC NJM7812B					
D405	8-719-911-19	DIODE 1SS119		IC1001	8-759-420-04	IC AN5265					
D501	8-719-911-19	DIODE 1SS119		<u>COIL</u>							
D502	8-719-971-20	DIODE ERC38-06		L300	1-410-470-11	INDUCTOR	10UH				
D503	8-719-971-20	DIODE ERC38-06		L301	1-410-470-11	INDUCTOR	10UH				
D504	8-719-901-58	DIODE RGP15J		L302	1-410-470-11	INDUCTOR	10UH				
D505	8-719-901-58	DIODE RGP15J		L303	1-410-471-11	INDUCTOR	12UH				
D506	8-719-901-19	DIODE V11N		L304	1-410-467-21	INDUCTOR	5.6UH				
D507	8-719-305-15	DIODE GH3F		L306	1-410-470-11	INDUCTOR	10UH				
D508	8-719-928-08	DIODE ERD28-08S		L307	1-410-467-21	INDUCTOR	5.6UH				
D509	8-719-100-35	DIODE RD5.6E-B2		L495	1-421-013-00	COIL, (HORIZONTAL CHOKES)	25UH				
D510	8-719-190-00	DIODE RD24E-BZ7		L501	1-459-155-00	COIL (WITH CORE)	45UH				
D511	8-719-200-02	DIODE 10E2		L502	1-410-671-31	INDUCTOR	47UH				
D512	8-719-200-02	DIODE 10E2		L503	1-410-666-31	INDUCTOR	18UH				
D513	8-719-911-19	DIODE 1SS119		L504	1-407-365-00	COIL, CHOKES					
D514	8-719-300-76	DIODE RH-1A		L505	1-407-365-00	COIL, CHOKES					
D515	8-719-300-76	DIODE RH-1A		L506	1-408-238-00	INDUCTOR	3.9MMH				
D516	8-719-200-02	DIODE 10E2		L507	1-459-155-00	COIL (WITH CORE)	45UH				
D517	8-719-911-19	DIODE 1SS119		L508	1-459-496-12	COIL, FERRITE (HEC)					
D518	8-719-200-02	DIODE 10E2		L509	1-459-106-00	COIL, DUST CORE					
D519	8-719-911-19	DIODE 1SS119		L510	1-459-075-00	COIL, DYNAMIC CONVERSION CHOKES					
D520	8-719-911-19	DIODE 1SS119		L511	1-459-059-00	COIL, DUST CORE					
D521	8-719-911-19	DIODE 1SS119		L512	1-408-247-00	INDUCTOR	33MMH				
D522	8-719-911-19	DIODE 1SS119		L513	1-459-104-00	COIL, DUST CORE					
D523	8-719-911-19	DIODE 1SS119		L514	1-410-686-11	INDUCTOR	1MMH				
D524	8-719-911-19	DIODE 1SS119		L515	1-408-564-11	INDUCTOR	12UH				
D526	8-719-911-19	DIODE 1SS119		L801	1-410-470-11	INDUCTOR	10UH				
D527	8-719-911-19	DIODE 1SS119		L802	1-410-089-21	INDUCTOR	15MMH				
D528	8-719-911-19	DIODE 1SS119		<u>NEON LAMP</u>							
D529	8-719-911-19	DIODE 1SS119		NL501	1-519-237-13	LAMP, NEON					
D530	8-719-901-83	DIODE 1SS83		<u>TRANSISTOR</u>							
D531	8-719-911-19	DIODE 1SS119		Q300	8-729-117-54	TRANSISTOR 2SA1175					
D801	8-719-911-19	DIODE 1SS119		Q301	8-729-178-54	TRANSISTOR 2SC2785					
D802	8-719-911-19	DIODE 1SS119		Q302	8-729-178-54	TRANSISTOR 2SC2785					
D1001	8-719-911-19	DIODE 1SS119		Q303	8-729-178-54	TRANSISTOR 2SC2785					
D1002	8-719-911-19	DIODE 1SS119		Q304	8-729-178-54	TRANSISTOR 2SC2785					
D1003	8-719-911-19	DIODE 1SS119		Q305	8-729-178-54	TRANSISTOR 2SC2785					
D1010	8-719-120-64	DIODE RD5.6ES-L1		Q306	8-729-178-54	TRANSISTOR 2SC2785					
D1011	8-719-110-08	DIODE RD8.2ES-B2		Q307	8-729-117-54	TRANSISTOR 2SA1175					
D1012	8-719-911-55	DIODE U05G		Q308	8-729-178-54	TRANSISTOR 2SC2785					
D1013	8-719-110-37	DIODE RD13ES-B3		Q309	8-729-178-54	TRANSISTOR 2SC2785					
D1014	8-719-936-56	DIODE DAN209S									
<u>DELAY LINE</u>											
DL301	1-415-633-11	DELAY LINE, Y									

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
Q310	8-729-178-54	TRANSISTOR 2SC2785		Q520	8-729-900-63	TRANSISTOR DTA124ES	
Q311	8-729-900-89	TRANSISTOR DTC144ES		Q521	8-729-178-54	TRANSISTOR 2SC2785	
Q312	8-729-178-54	TRANSISTOR 2SC2785		Q522	8-729-178-54	TRANSISTOR 2SC2785	
Q313	8-729-178-54	TRANSISTOR 2SC2785		Q523	8-729-900-36	TRANSISTOR DTC124ES	
Q314	8-729-900-65	TRANSISTOR DTA144ES		Q524	8-729-900-63	TRANSISTOR DTA124ES	
Q315	8-729-900-89	TRANSISTOR DTC144ES		Q525	8-729-900-36	TRANSISTOR DTC124ES	
Q316	8-729-900-89	TRANSISTOR DTC144ES		Q526	8-729-117-54	TRANSISTOR 2SA1175	
Q317	8-729-900-89	TRANSISTOR DTC144ES		Q528	8-729-178-54	TRANSISTOR 2SC2785	
Q318	8-729-178-54	TRANSISTOR 2SC2785		Q529	8-729-178-54	TRANSISTOR 2SC2785	
Q319	8-729-178-54	TRANSISTOR 2SC2785		Q530	8-729-178-54	TRANSISTOR 2SC2785	
Q320	8-729-117-54	TRANSISTOR 2SA1175		Q531	8-729-178-54	TRANSISTOR 2SC2785	
Q321	8-729-117-54	TRANSISTOR 2SA1175		Q532	8-729-117-54	TRANSISTOR 2SA1175	
Q322	8-729-900-89	TRANSISTOR DTC144ES		Q533	8-729-117-54	TRANSISTOR 2SA1175	
Q323	8-729-900-89	TRANSISTOR DTC144ES		Q534	8-729-117-54	TRANSISTOR 2SA1175	
Q324	8-729-117-54	TRANSISTOR 2SA1175		Q550	8-729-178-54	TRANSISTOR 2SC2785	
Q325	8-729-178-54	TRANSISTOR 2SC2785		Q551	8-729-178-54	TRANSISTOR 2SC2785	
Q326	8-729-178-54	TRANSISTOR 2SC2785		Q801	8-729-178-54	TRANSISTOR 2SC2785	
Q327	8-729-178-54	TRANSISTOR 2SC2785		Q802	8-729-117-54	TRANSISTOR 2SA1175	
Q328	8-729-117-54	TRANSISTOR 2SA1175		Q803	8-729-178-54	TRANSISTOR 2SC2785	
Q329	8-729-178-54	TRANSISTOR 2SC2785		Q804	8-729-178-54	TRANSISTOR 2SC2785	
Q330	8-729-178-54	TRANSISTOR 2SC2785		Q805	8-729-117-54	TRANSISTOR 2SA1175	
Q331	8-729-117-54	TRANSISTOR 2SA1175		Q806	8-729-900-36	TRANSISTOR DTC124ES	
Q332	8-729-178-54	TRANSISTOR 2SC2785		Q807	8-729-178-54	TRANSISTOR 2SC2785	
Q333	8-729-178-54	TRANSISTOR 2SC2785		Q1001	8-729-117-54	TRANSISTOR 2SA1175	
Q334	8-729-117-54	TRANSISTOR 2SA1175		Q1002	8-729-117-54	TRANSISTOR 2SA1175	
Q335	8-729-117-54	TRANSISTOR 2SA1175		Q1003	8-729-177-42	TRANSISTOR 2SD774-3	
Q336	8-729-117-54	TRANSISTOR 2SA1175		Q1004	8-729-177-42	TRANSISTOR 2SD774-3	
Q337	8-729-178-54	TRANSISTOR 2SC2785		Q1005	8-729-122-03	TRANSISTOR 2SA1220A-P	
Q338	8-729-900-89	TRANSISTOR DTC144ES		Q1006	8-729-178-54	TRANSISTOR 2SC2785	
Q400	8-729-177-33	TRANSISTOR 2SD773-4					
Q401	8-729-900-36	TRANSISTOR DTC124ES					
Q402	8-729-900-36	TRANSISTOR DTC124ES					
Q403	8-729-117-54	TRANSISTOR 2SA1175		R300	1-249-405-11	CARBON	100 5% 1/4W
Q404	8-729-178-54	TRANSISTOR 2SC2785		R301	1-249-405-11	CARBON	100 5% 1/4W
Q405	8-729-178-54	TRANSISTOR 2SC2785		R302	1-247-721-11	CARBON	4.7K 5% 1/4W
Q406	8-729-178-54	TRANSISTOR 2SC2785		R303	1-249-426-11	CARBON	5.6K 5% 1/4W
Q407	8-729-178-54	TRANSISTOR 2SC2785		R304	1-249-421-11	CARBON	2.2K 5% 1/4W
Q408	8-729-178-54	TRANSISTOR 2SC2785		R305	1-249-429-11	CARBON	10K 5% 1/4W
Q409	8-729-178-54	TRANSISTOR 2SC2785		R306	1-249-405-11	CARBON	100 5% 1/4W
Q410	8-729-900-89	TRANSISTOR DTC144ES		R307	1-247-887-00	CARBON	220K 5% 1/4W
Q411	8-729-900-89	TRANSISTOR DTC144ES		R308	1-249-429-11	CARBON	10K 5% 1/4W
Q412	8-729-117-54	TRANSISTOR 2SA1175		R309	1-249-405-11	CARBON	100 5% 1/4W
Q413	8-729-178-54	TRANSISTOR 2SC2785		R310	1-247-887-00	CARBON	220K 5% 1/4W
Q414	8-729-178-54	TRANSISTOR 2SC2785		R311	1-249-435-11	CARBON	33K 5% 1/4W
Q415	8-729-900-36	TRANSISTOR DTC124ES		R312	1-249-431-11	CARBON	15K 5% 1/4W
Q416	8-729-900-36	TRANSISTOR DTC124ES		R313	1-249-405-11	CARBON	100 5% 1/4W
Q501	8-729-800-35	TRANSISTOR 2SD1397		R314	1-249-405-11	CARBON	100 5% 1/4W
Q502	8-729-119-80	TRANSISTOR 2SC2688-LK		R315	1-249-413-11	CARBON	470 5% 1/4W
Q503	8-729-178-54	TRANSISTOR 2SC2785		R316	1-249-413-11	CARBON	470 5% 1/4W
Q504	8-729-117-54	TRANSISTOR 2SA1175		R317	1-249-414-11	CARBON	560 5% 1/4W
Q505	8-729-309-08	TRANSISTOR 2SC1890A		R318	1-249-422-11	CARBON	2.7K 5% 1/4W
Q506	8-729-178-54	TRANSISTOR 2SC2785		R319	1-249-416-11	CARBON	820 5% 1/4W
Q507	8-729-313-42	TRANSISTOR 2SD1134		R320	1-249-415-11	CARBON	680 5% 1/4W
Q508	8-729-178-54	TRANSISTOR 2SC2785		R321	1-249-411-11	CARBON	330 5% 1/4W
Q509	8-729-195-82	TRANSISTOR 2SC2958		R322	1-249-409-11	CARBON	220 5% 1/4W
Q510	8-729-122-03	TRANSISTOR 2SA1220A-P		R323	1-249-409-11	CARBON	220 5% 1/4W
Q511	8-729-169-02	TRANSISTOR 2SC2690A-Q		R324	1-249-417-11	CARBON	1K 5% 1/4W
Q512	8-729-117-54	TRANSISTOR 2SA1175		R325	1-249-405-11	CARBON	100 5% 1/4W
Q513	8-729-900-63	TRANSISTOR DTA124ES		R326	1-249-409-11	CARBON	220 5% 1/4W
Q514	8-729-900-36	TRANSISTOR DTC124ES		R327	1-249-417-11	CARBON	1K 5% 1/4W
Q515	8-729-900-36	TRANSISTOR DTC124ES		R328	1-249-434-11	CARBON	27K 5% 1/4W
Q516	8-729-117-54	TRANSISTOR 2SA1175		R329	1-249-433-11	CARBON	22K 5% 1/4W
Q517	8-729-178-54	TRANSISTOR 2SC2785		R330	1-249-433-11	CARBON	22K 5% 1/4W
Q518	8-729-178-54	TRANSISTOR 2SC2785		R331	1-249-433-11	CARBON	22K 5% 1/4W
Q519	8-729-900-36	TRANSISTOR DTC124ES		R332	1-249-405-11	CARBON	100 5% 1/4W

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Ref.No.	Part No.	Description	Remark	Ref.No.	Part No.	Description	Remark
R333	1-249-435-11	CARBON	33K 5% 1/4W	R398	1-249-405-11	CARBON	100 5% 1/4W
R334	1-249-432-11	CARBON	18K 5% 1/4W	R399	1-247-718-11	CARBON	2.7K 5% 1/4W
R335	1-247-700-11	CARBON	100 5% 1/4W	R400	1-249-413-11	CARBON	470 5% 1/4W
R336	1-249-417-11	CARBON	1K 5% 1/4W	R401	1-249-413-11	CARBON	470 5% 1/4W
R337	1-249-410-11	CARBON	270 5% 1/4W	R402	1-249-416-11	CARBON	820 5% 1/4W
R338	1-249-421-11	CARBON	2.2K 5% 1/4W	R403	1-249-411-11	CARBON	330 5% 1/4W
R339	1-249-405-11	CARBON	100 5% 1/4W	R404	1-249-405-11	CARBON	100 5% 1/4W
R340	1-249-434-11	CARBON	27K 5% 1/4W	R405	1-249-422-11	CARBON	2.7K 5% 1/4W
R341	1-249-434-11	CARBON	27K 5% 1/4W	R406	1-249-413-11	CARBON	470 5% 1/4W
R342	1-249-418-11	CARBON	1.2K 5% 1/4W	R407	1-249-413-11	CARBON	470 5% 1/4W
R343	1-249-440-11	CARBON	82K 5% 1/4W	R408	1-249-416-11	CARBON	820 5% 1/4W
R344	1-249-428-11	CARBON	8.2K 5% 1/4W	R409	1-249-411-11	CARBON	330 5% 1/4W
R345	1-249-416-11	CARBON	820 5% 1/4W	R410	1-249-405-11	CARBON	100 5% 1/4W
R346	1-249-416-11	CARBON	820 5% 1/4W	R411	1-249-422-11	CARBON	2.7K 5% 1/4W
R347	1-249-421-11	CARBON	2.2K 5% 1/4W	R412	1-249-419-11	CARBON	1.5K 5% 1/4W
R348	1-249-421-11	CARBON	2.2K 5% 1/4W	R413	1-249-417-11	CARBON	1K 5% 1/4W
R349	1-249-417-11	CARBON	1K 5% 1/4W	R414	1-249-429-11	CARBON	10K 5% 1/4W
R350	1-249-425-11	CARBON	4.7K 5% 1/4W	R415	1-249-417-11	CARBON	1K 5% 1/4W
R351	1-249-421-11	CARBON	2.2K 5% 1/4W	R416	1-249-429-11	CARBON	10K 5% 1/4W
R352	1-247-891-00	CARBON	330K 5% 1/4W	R417	1-249-421-11	CARBON	2.2K 5% 1/4W
R353	1-249-428-11	CARBON	8.2K 5% 1/4W	R418	1-249-439-11	CARBON	68K 5% 1/4W
R354	1-249-424-11	CARBON	3.9K 5% 1/4W	R419	1-249-433-11	CARBON	22K 5% 1/4W
R355	1-249-434-11	CARBON	27K 5% 1/4W	R420	1-249-426-11	CARBON	5.6K 5% 1/4W
R356	1-249-437-11	CARBON	47K 5% 1/4W	R421	1-249-437-11	CARBON	47K 5% 1/4W
R357	1-249-437-11	CARBON	47K 5% 1/4W	R422	1-249-437-11	CARBON	47K 5% 1/4W
R358	1-249-433-11	CARBON	22K 5% 1/4W	R423	1-249-405-11	CARBON	100 5% 1/4W
R359	1-249-417-11	CARBON	1K 5% 1/4W	R424	1-249-437-11	CARBON	47K 5% 1/4W
R360	1-249-413-11	CARBON	470 5% 1/4W	R425	1-249-437-11	CARBON	47K 5% 1/4W
R361	1-249-405-11	CARBON	100 5% 1/4W	R426	1-249-434-11	CARBON	27K 5% 1/4W
R362	1-249-410-11	CARBON	270 5% 1/4W	R427	1-249-429-11	CARBON	10K 5% 1/4W
R363	1-249-432-11	CARBON	18K 5% 1/4W	R428	1-249-425-11	CARBON	4.7K 5% 1/4W
R364	1-249-417-11	CARBON	1K 5% 1/4W	R429	1-249-405-11	CARBON	100 5% 1/4W
R365	1-249-432-11	CARBON	18K 5% 1/4W	R430	1-247-711-11	CARBON	680 5% 1/4W
R366	1-249-437-11	CARBON	47K 5% 1/4W	R431	1-249-416-11	CARBON	820 5% 1/4W
R367	1-249-413-11	CARBON	470 5% 1/4W	R432	1-249-414-11	CARBON	560 5% 1/4W
R368	1-249-405-11	CARBON	100 5% 1/4W	R433	1-249-433-11	CARBON	22K 5% 1/4W
R369	1-249-405-11	CARBON	100 5% 1/4W	R434	1-249-425-11	CARBON	4.7K 5% 1/4W
R370	1-249-417-11	CARBON	1K 5% 1/4W	R435	1-249-405-11	CARBON	100 5% 1/4W
R371	1-249-432-11	CARBON	18K 5% 1/4W	R436	1-249-423-11	CARBON	3.3K 5% 1/4W
R372	1-249-465-11	CARBON	47K 5% 1/4W	R437	1-249-411-11	CARBON	330 5% 1/4W
R373	1-249-436-11	CARBON	39K 5% 1/4W	R438	1-249-405-11	CARBON	100 5% 1/4W
R374	1-249-432-11	CARBON	18K 5% 1/4W	R439	1-249-417-11	CARBON	1K 5% 1/4W
R375	1-249-405-11	CARBON	100 5% 1/4W	R440	1-249-425-11	CARBON	4.7K 5% 1/4W
R376	1-249-417-11	CARBON	1K 5% 1/4W	R441	1-249-421-11	CARBON	2.2K 5% 1/4W
R377	1-249-428-11	CARBON	8.2K 5% 1/4W	R442	1-247-700-11	CARBON	100 5% 1/4W
R378	1-249-433-11	CARBON	22K 5% 1/4W	R443	1-249-421-11	CARBON	2.2K 5% 1/4W
R379	1-249-430-11	CARBON	12K 5% 1/4W	R444	1-249-419-11	CARBON	1.5K 5% 1/4W
R380	1-249-405-11	CARBON	100 5% 1/4W	R445	1-249-417-11	CARBON	1K 5% 1/4W
R381	1-249-431-11	CARBON	15K 5% 1/4W	R446	1-249-422-11	CARBON	2.7K 5% 1/4W
R382	1-249-408-11	CARBON	180 5% 1/4W	R447	1-249-429-11	CARBON	10K 5% 1/4W
R383	1-249-413-11	CARBON	470 5% 1/4W	R448	1-247-883-00	CARBON	150K 5% 1/4W
R384	1-249-413-11	CARBON	470 5% 1/4W	R449	1-249-462-11	CARBON	22K 5% 1/4W
R385	1-249-411-11	CARBON	330 5% 1/4W	R450	1-249-409-11	CARBON	220 5% 1/4W
R386	1-249-415-11	CARBON	680 5% 1/4W	R451	1-247-704-11	CARBON	220 5% 1/4W
R387	1-249-405-11	CARBON	100 5% 1/4W	R452	1-249-409-11	CARBON	220 5% 1/4W
R388	1-249-423-11	CARBON	3.3K 5% 1/4W	R453	1-247-704-11	CARBON	220 5% 1/4W
R389	1-249-417-11	CARBON	1K 5% 1/4W	R454	1-249-417-11	CARBON	1K 5% 1/4W
R390	1-249-433-11	CARBON	22K 5% 1/4W	R455	1-249-409-11	CARBON	220 5% 1/4W
R391	1-249-433-11	CARBON	22K 5% 1/4W	R456	1-249-409-11	CARBON	220 5% 1/4W
R392	1-249-433-11	CARBON	22K 5% 1/4W	R457	1-249-409-11	CARBON	220 5% 1/4W
R393	1-249-403-11	CARBON	68 5% 1/4W	R458	1-249-433-11	CARBON	22K 5% 1/4W
R394	1-249-409-11	CARBON	220 5% 1/4W	R459	1-249-425-11	CARBON	4.7K 5% 1/4W
R395	1-249-417-11	CARBON	1K 5% 1/4W	R460	1-249-425-11	CARBON	4.7K 5% 1/4W
R396	1-249-433-11	CARBON	22K 5% 1/4W	R461	1-249-433-11	CARBON	22K 5% 1/4W
R397	1-249-405-11	CARBON	100 5% 1/4W	R462	1-249-386-11	CARBON	2.7 5% 1/4W F

# VM-1341/1342Q/1343MD

**A**

- The components identified by **█** in this manual have been carefully factory-selected for each set in order to satisfy regulations regarding X-ray radiation. Should replacement be required, replace only with the value originally used.

Les composants identifiés par une trame et une marque **▲** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **▲** are critical for safety. Replace only with part number specified.

- \* : Selected to yield optimum performance.

Ref. No.	Part No..	Description	Remark	Ref. No.	Part No.	Description	Remark
※ R463	1-215-431-00	METAL	2.7K 1% 1/6W	R514	1-216-367-11	METAL OXIDE	0.68 5% 2W F
※ R463	1-215-432-00	METAL	3K 1% 1/6W	R515	1-216-434-11	METAL OXIDE	1.8K 5% 1W F
※ R463	1-215-433-00	METAL	3.3K 1% 1/6W	R516	1-214-888-00	METAL	10K 1% 1/2W
※ R463	1-215-434-00	METAL	3.6K 1% 1/6W	R517	1-214-763-00	METAL	27K 1% 1/4W
※ R463	1-215-435-00	METAL	3.9K 1% 1/6W	R518	1-214-956-00	METAL	470K 1% 1/4W
※ R463	1-215-436-00	METAL	4.3K 1% 1/6W	R519	1-214-917-00	METAL	150K 1% 1/2W
※ R463	1-215-437-00	METAL	4.7K 1% 1/6W	R520	1-215-467-00	METAL	82K 1% 1/6W
※ R463	1-215-438-00	METAL	5.1K 1% 1/6W	R521	1-215-445-00	METAL	10K 1% 1/6W
※ R463	1-215-439-00	METAL	5.6K 1% 1/6W	R522	1-247-887-00	CARBON	220K 5% 1/4W
※ R463	1-215-440-00	METAL	6.2K 1% 1/6W	R523	1-215-439-00	METAL	5.6K 1% 1/6W
※ R463	1-215-441-00	METAL	6.8K 1% 1/6W	R524	1-249-469-11	CARBON	100K 5% 1/4W
※ R463	1-215-442-00	METAL	7.5K 1% 1/6W	R525	1-215-445-00	METAL	10K 1% 1/6W
※ R463	1-215-443-00	METAL	8.2K 1% 1/6W	R526	1-215-442-00	METAL	7.5K 1% 1/6W
※ R463	1-215-444-00	METAL	9.1K 1% 1/6W	R527	1-249-417-11	CARBON	1K 5% 1/4W
※ R463	1-215-445-00	METAL	10K 1% 1/6W	R528	1-215-877-11	METAL OXIDE	22K 5% 1W F
※ R463	1-215-446-00	METAL	11K 1% 1/6W	R529	1-216-360-11	METAL OXIDE	8.2 5% 1W F
※ R463	1-215-447-00	METAL	12K 1% 1/6W	R530	1-216-427-00	METAL OXIDE	120 5% 1W F
R464	1-259-881-11	CARBON	2.7M 5% 1/4W	R531	1-247-756-11	CARBON	2.2K 5% 1/2W F
R465	1-249-465-11	CARBON	47K 5% 1/4W	R532	1-249-436-11	CARBON	39K 5% 1/4W
R466	1-249-421-11	CARBON	2.2K 5% 1/4W	R533	1-249-422-11	CARBON	2.7K 5% 1/4W
R467	1-249-431-11	CARBON	15K 5% 1/4W	R534	1-247-719-11	CARBON	3.3K 5% 1/4W
R468	1-249-431-11	CARBON	15K 5% 1/4W	R535	1-215-441-00	METAL	6.8K 1% 1/6W
R469	1-247-897-11	CARBON	560K 5% 1/4W	R536	1-249-433-11	CARBON	22K 5% 1/4W
R470	1-249-437-11	CARBON	47K 5% 1/4W	R537	1-249-417-11	CARBON	1K 5% 1/4W
R471	1-249-429-11	CARBON	10K 5% 1/4W	R538	1-249-428-11	CARBON	8.2K 5% 1/4W F
R472	1-249-417-11	CARBON	1K 5% 1/4W	R539	1-247-883-00	CARBON	150K 5% 1/4W
R473	1-249-437-11	CARBON	47K 5% 1/4W	R540	1-249-466-11	CARBON	56K 5% 1/4W
R474	1-249-429-11	CARBON	10K 5% 1/4W	R541	1-247-883-00	CARBON	150K 5% 1/4W
R475	1-249-417-11	CARBON	1K 5% 1/4W	R542	1-249-438-11	CARBON	56K 5% 1/4W
R476	1-249-401-11	CARBON	47 5% 1/4W	R543	1-247-903-00	CARBON	1M 5% 1/4W
R477	1-249-417-11	CARBON	1K 5% 1/4W	R544	1-215-453-00	METAL	22K 1% 1/6W
R478	1-249-401-11	CARBON	47 5% 1/4W	R545	1-249-417-11	CARBON	1K 5% 1/4W
R479	1-249-417-11	CARBON	1K 5% 1/4W	R546	1-249-411-11	CARBON	330 5% 1/4W
R480	1-249-401-11	CARBON	47 5% 1/4W	R547	1-249-414-11	CARBON	560 5% 1/4W
R481	1-249-433-11	CARBON	22K 5% 1/4W	R548	1-249-415-11	CARBON	680 5% 1/4W
R482	1-249-433-11	CARBON	22K 5% 1/4W	R549	1-215-473-00	METAL	150K 1% 1/6W
R483	1-249-433-11	CARBON	22K 5% 1/4W	R550	1-249-433-11	CARBON	22K 5% 1/4W
R484	1-247-891-00	CARBON	330K 5% 1/4W	R551	1-247-688-11	CARBON	10 5% 1/4W F
R485	1-246-533-75	CARBON	330K 5% 1/4W	R552	1-249-425-11	CARBON	4.7K 5% 1/4W
R486	1-249-433-11	CARBON	22K 5% 1/4W	R553	1-249-429-11	CARBON	10K 5% 1/4W
R487	1-249-433-11	CARBON	22K 5% 1/4W	R554	1-249-460-11	CARBON	15K 5% 1/4W
R488	1-249-418-11	CARBON	1.2K 5% 1/4W F	R555	1-249-426-11	CARBON	5.6K 5% 1/4W
R489	1-249-421-11	CARBON	2.2K 5% 1/4W	R556	1-247-707-11	CARBON	390 5% 1/4W
R490	1-247-895-00	CARBON	470K 5% 1/4W	R557	1-215-463-00	METAL	56K 1% 1/6W
R491	1-249-420-11	CARBON	1.8K 5% 1/4W	R558	1-215-457-00	METAL	33K 1% 1/6W
R492	1-249-417-11	CARBON	1K 5% 1/4W	R559	1-215-453-00	METAL	22K 1% 1/6W
R493	1-249-441-11	CARBON	100K 5% 1/4W	R560	1-215-479-00	METAL	270K 1% 1/6W
R494	1-249-413-11	CARBON	470 5% 1/4W	R561	1-249-435-11	CARBON	33K 5% 1/4W
R495	1-249-433-11	CARBON	22K 5% 1/4W	R562	1-249-422-11	CARBON	2.7K 5% 1/4W
R496	1-249-433-11	CARBON	22K 5% 1/4W	R563	1-249-428-11	CARBON	8.2K 5% 1/4W
R497	1-249-437-11	CARBON	47K 5% 1/4W	R564	1-215-445-00	METAL	10K 1% 1/6W
R498	1-249-433-11	CARBON	22K 5% 1/4W	R565	1-249-413-11	CARBON	470 5% 1/4W F
R499	1-249-433-11	CARBON	22K 5% 1/4W	R566	1-216-350-11	METAL OXIDE	1.2 5% 1W F
R500A	METAL		1/6W	R567	1-216-350-11	METAL OXIDE	1.2 5% 1W F
R501	1-247-711-11	CARBON	680 5% 1/4W F	R568	1-249-401-11	CARBON	47 5% 1/4W F
R502	1-216-464-11	METAL OXIDE	18K 5% 2W F	R569	1-215-869-11	METAL OXIDE	1K 5% 1W F
R503	1-249-440-11	CARBON	82K 5% 1/4W	R570	1-247-697-11	CARBON	56 5% 1/4W F
R504	1-249-424-11	CARBON	3.9K 5% 1/4W	R571	1-215-867-00	METAL OXIDE	470 5% 1W F
R505	1-249-440-11	CARBON	82K 5% 1/4W	R572	1-216-355-11	METAL OXIDE	3.3 5% 1W F
R506	1-249-431-11	CARBON	15K 5% 1/4W	R573	1-247-746-11	CARBON	390 5% 1/2W
R507	1-249-434-11	CARBON	27K 5% 1/4W	R574	1-249-425-11	CARBON	4.7K 5% 1/4W F
R508	1-247-723-11	CARBON	6.8K 5% 1/4W F	R575	1-247-688-11	CARBON	10 5% 1/4W F
R509	1-249-423-11	CARBON	3.3K 5% 1/4W F	R576	1-249-440-11	CARBON	82K 5% 1/4W
R510	1-215-919-11	METAL OXIDE	2.2K 5% 3W F	R577	1-249-396-11	CARBON	18 5% 1/4W
R511	1-215-447-00	METAL	12K 1% 1/6W	R578	1-249-433-11	CARBON	22K 5% 1/4W
R512	1-212-883-00	FUSIBLE	120 5% 1/4W F				
R513	1-249-383-11	CARBON	1.5 5% 1/4W F				

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Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark
R579	1-249-433-11	CARBON	22K 5% 1/4W	R846	1-215-439-00	METAL	5.6K 1% 1/6W
R580	1-249-433-11	CARBON	22K 5% 1/4W	R847	1-249-433-11	CARBON	22K 5% 1/4W
R581	1-249-429-11	CARBON	10K 5% 1/4W	R848	1-249-433-11	CARBON	22K 5% 1/4W
R582	1-249-429-11	CARBON	10K 5% 1/4W	R850	1-249-440-11	CARBON	82K 5% 1/4W
R583	1-249-438-11	CARBON	56K 5% 1/4W	R851	1-249-439-11	CARBON	68K 5% 1/4W
R584	1-247-881-00	CARBON	120K 5% 1/4W	R852	1-249-437-11	CARBON	47K 5% 1/4W
R585	1-249-433-11	CARBON	22K 5% 1/4W	R853	1-247-710-11	CARBON	560 5% 1/4W
R586	1-215-449-00	METAL	15K 1% 1/6W	R855	1-249-414-11	CARBON	560 5% 1/4W
R587	1-249-429-11	CARBON	10K 5% 1/4W	R856	1-249-429-11	CARBON	10K 5% 1/4W
R588	1-247-688-11	CARBON	10 5% 1/4W F	R857	1-247-725-11	CARBON	10K 5% 1/4W
R589	1-249-417-11	CARBON	1K 5% 1/4W	R858	1-249-433-11	CARBON	22K 5% 1/4W
R590	1-249-433-11	CARBON	22K 5% 1/4W	R860	1-249-425-11	CARBON	4.7K 5% 1/4W
R591	1-249-433-11	CARBON	22K 5% 1/4W	R861	1-249-437-11	CARBON	47K 5% 1/4W
R592	1-249-417-11	CARBON	1K 5% 1/4W	R862	1-249-425-11	CARBON	4.7K 5% 1/4W
R593	1-249-425-11	CARBON	4.7K 5% 1/4W	R863	1-247-721-11	CARBON	4.7K 5% 1/4W
R594	1-247-719-11	CARBON	3.3K 5% 1/4W	R864	1-247-717-11	CARBON	2.2K 5% 1/4W
R595	1-249-417-11	CARBON	1K 5% 1/4W	R866	1-249-426-11	CARBON	5.6K 5% 1/4W
R596	1-247-721-11	CARBON	4.7K 5% 1/4W F	R867	1-249-426-11	CARBON	5.6K 5% 1/4W
R597	1-215-437-00	METAL	4.7K 1% 1/6W	R868	1-249-421-11	CARBON	2.2K 5% 1/4W
R598	1-247-725-11	CARBON	10K 5% 1/4W	R869	1-249-425-11	CARBON	4.7K 5% 1/4W
R599	1-247-711-11	CARBON	680 5% 1/4W F	R870	1-249-426-11	CARBON	5.6K 5% 1/4W
R800	1-215-443-00	METAL	8.2K 1% 1/6W	R871	1-249-427-11	CARBON	6.8K 5% 1/4W
R801	1-249-440-11	CARBON	82K 5% 1/4W	R872	1-249-417-11	CARBON	1K 5% 1/4W
R802	1-215-429-00	METAL	2.2K 1% 1/6W	R873	1-249-437-11	CARBON	47K 5% 1/4W
R803	1-249-465-11	CARBON	47K 5% 1/4W	R874	1-215-437-00	METAL	4.7K 1% 1/6W
R804	1-247-726-11	CARBON	33K 5% 1/4W F	R875	1-215-453-00	METAL	22K 1% 1/6W
R805	1-249-407-11	CARBON	150 5% 1/4W	R876	1-249-429-11	CARBON	10K 5% 1/4W
R806	1-249-415-11	CARBON	680 5% 1/4W	R877	1-249-417-11	CARBON	1K 5% 1/4W
R807	1-249-437-11	CARBON	47K 5% 1/4W	R878	1-249-429-11	CARBON	10K 5% 1/4W
R808	1-249-433-11	CARBON	22K 5% 1/4W	R879	1-249-437-11	CARBON	47K 5% 1/4W
R809	1-215-471-00	METAL	120K 1% 1/6W	R880	1-249-417-11	CARBON	1K 5% 1/4W
R810	1-215-467-00	METAL	82K 1% 1/6W	R881	1-249-423-11	CARBON	3.3K 5% 1/4W
R811	1-249-429-11	CARBON	10K 5% 1/4W	R883	1-249-409-11	CARBON	220 5% 1/4W
R812	1-249-427-11	CARBON	6.8K 5% 1/4W	R884	1-249-417-11	CARBON	1K 5% 1/4W
R813	1-249-405-11	CARBON	100 5% 1/4W	R885	1-249-469-11	CARBON	100K 5% 1/4W
R814	1-249-417-11	CARBON	1K 5% 1/4W	R886	1-247-725-11	CARBON	10K 5% 1/4W
R815	1-249-409-11	CARBON	220 5% 1/4W	R887	1-247-704-11	CARBON	220 5% 1/4W
R816	1-249-429-11	CARBON	10K 5% 1/4W	R1001	1-247-717-11	CARBON	2.2K 5% 1/4W
R817	1-247-881-00	CARBON	120K 5% 1/4W	R1002	1-249-429-11	CARBON	10K 5% 1/4W
R818	1-247-881-00	CARBON	120K 5% 1/4W	R1003	1-249-405-11	CARBON	100 5% 1/4W
R819	1-247-903-00	CARBON	1M 5% 1/4W	R1004	1-247-725-11	CARBON	10K 5% 1/4W
R820	1-249-426-11	CARBON	5.6K 5% 1/4W	R1005	1-249-437-11	CARBON	47K 5% 1/4W
R821	1-247-881-00	CARBON	120K 5% 1/4W	R1006	1-249-439-11	CARBON	68K 5% 1/4W
R822	1-249-417-11	CARBON	1K 5% 1/4W	R1007	1-249-433-11	CARBON	22K 5% 1/4W
R823	1-247-696-11	CARBON	47 5% 1/4W F	R1009	1-249-429-11	CARBON	10K 5% 1/4W
R824	1-249-439-11	CARBON	68K 5% 1/4W	R1010	1-249-415-11	CARBON	680 5% 1/4W
R825	1-249-437-11	CARBON	47K 5% 1/4W	R1011	1-249-455-11	CARBON	4.7 5% 1/4W
R826	1-249-417-11	CARBON	1K 5% 1/4W	R1012	1-216-355-11	METAL OXIDE	3.3 5% 1W F
R827	1-249-417-11	CARBON	1K 5% 1/4W	R1013	1-249-413-11	CARBON	470 5% 1/4W
R828	1-249-417-11	CARBON	1K 5% 1/4W	R1014	1-249-414-11	CARBON	560 5% 1/4W
R829	1-249-421-11	CARBON	2.2K 5% 1/4W	R1015	1-215-867-00	METAL OXIDE	470 5% 1W F
R830	1-249-435-11	CARBON	33K 5% 1/4W	R1016	1-247-698-11	CARBON	68 5% 1/4W
R831	1-249-438-11	CARBON	56K 5% 1/4W	R1017	1-249-421-11	CARBON	2.2K 5% 1/4W
R832	1-249-417-11	CARBON	1K 5% 1/4W	R1018	1-249-437-11	CARBON	47K 5% 1/4W
R833	1-249-425-11	CARBON	4.7K 5% 1/4W	R1019	1-212-857-00	FUSIBLE	10 5% 1/4W F
R834	1-249-425-11	CARBON	4.7K 5% 1/4W	R1020	1-249-429-11	CARBON	10K 5% 1/4W
R835	1-247-889-00	CARBON	270K 5% 1/4W	R1021	1-249-434-11	CARBON	27K 5% 1/4W
R836	1-247-897-11	CARBON	560K 5% 1/4W	R1022	1-249-428-11	CARBON	8.2K 5% 1/4W
R837	1-215-469-00	METAL	100K 1% 1/6W	R1023	1-249-428-11	CARBON	8.2K 5% 1/4W
R838	1-246-531-00	CARBON	270K 5% 1/4W	R1024	1-247-903-00	CARBON	1M 5% 1/4W
R840	1-247-696-11	CARBON	47 5% 1/4W	R1025	1-249-429-11	CARBON	10K 5% 1/4W
R842	1-249-409-11	CARBON	220 5% 1/4W	R1026	1-249-429-11	CARBON	10K 5% 1/4W
R843	1-247-704-11	CARBON	220 5% 1/4W	R1027	1-215-454-00	METAL	24K 1% 1/6W
R844	1-249-417-11	CARBON	1K 5% 1/4W	R1301	1-249-429-11	CARBON	10K 5% 1/4W
R845	1-247-725-11	CARBON	10K 5% 1/4W	R1302	1-247-725-11	CARBON	10K 5% 1/4W

# PVM-1341/1342Q/1343MD

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Les composants identifiés par une trame et une marque **▲** sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

The components identified by shading and mark **▲** are critical for safety. Replace only with part number specified.

Ref. No.	Part No.	Description	Remark	Ref. No.	Part No.	Description	Remark	
R1303	1-249-429-11	CARBON	10K 5% 1/4W					
R1304	1-249-405-11	CARBON	100 5% 1/4W					
R1306	1-247-700-11	CARBON	100 5% 1/4W					
R1307	1-249-421-11	CARBON	2.2K 5% 1/4W					
<u>VARIABLE RESISTOR</u>								
RV002	1-228-993-00	RES, ADJ, CARBON	4.7K					
RV003	1-228-993-00	RES, ADJ, CARBON	4.7K					
RV004	1-228-993-00	RES, ADJ, CARBON	4.7K					
RV005	1-228-996-00	RES, ADJ, CARBON	47K					
RV006	1-228-994-00	RES, ADJ, CARBON	10K					
RV007	1-228-994-00	RES, ADJ, CARBON	10K					
RV501	1-228-993-00	RES, ADJ, METAL GLAZE	4.7K					
RV502	1-223-102-00	RES, ADJ, WIREWOUND	120					
RV503	1-228-996-00	RES, ADJ, METAL GLAZE	47K					
RV504	1-228-990-00	RES, ADJ, CARBON	1K					
RV505	1-228-995-00	RES, ADJ, CARBON	22K					
RV506	1-228-989-00	RES, ADJ, CARBON	470					
RV507	1-224-250-99	RES, ADJ, METAL GLAZE	2.2K					
RV508	1-228-994-00	RES, ADJ, CARBON	10K					
RV509	1-230-635-51	RES, ADJ, CARBON	220K					
RV510	1-228-996-00	RES, ADJ, CARBON	47K					
RV511	1-228-989-00	RES, ADJ, CARBON	470					
RV512	1-228-995-00	RES, ADJ, CARBON	22K					
RV513	1-228-993-00	RES, ADJ, METAL GLAZE	4.7K					
RV514	1-228-996-00	RES, ADJ, CARBON	47K					
RV550	1-228-993-00	RES, ADJ, CARBON	4.7K					
<u>TRANSFORMER</u>								
T501 A	1-439-395-12	TRANSFORMER ASSY, FLYBACK						
T502	1-437-131-00	TRANSFORMER, DRIVE						
<u>THERMISTOR</u>								
TH501	1-806-110-00	THERMISTOR						
*****								
*1-629-149-11 W BOARD								
*****								
<u>CAPACITOR</u>								
C1400	1-136-169-00	FILM	0.22MF	5% 50V	C1300	1-101-005-00	CERAMIC	0.022MF 50V
C1401	1-136-153-00	FILM	0.01MF	5% 50V	C1301	1-101-888-00	CERAMIC	68PF 5% 50V
C1402	1-124-478-11	ELECT	100MF	20% 25V	C1302	1-101-884-00	CERAMIC	56PF 5% 50V
C1403	1-102-074-00	CERAMIC	0.001MF	10% 50V	C1303	1-102-942-00	CERAMIC	5PF 1PF 50V
C1404	1-124-478-11	ELECT	100MF	20% 25V	C1304	1-102-947-00	CERAMIC	10PF 0.5PF 50V
C1405	1-123-875-11	ELECT	10MF	20% 50V	C1305	1-102-947-00	CERAMIC	10PF 0.5PF 50V
C1406	1-124-902-00	ELECT	0.47MF	20% 50V	C1306	1-102-951-00	CERAMIC	15PF 5% 50V
					C1307	1-102-951-00	CERAMIC	15PF 5% 50V
					C1308	1-124-478-11	ELECT	100MF 20% 25V
					C1309	1-102-125-00	CERAMIC	0.0047MF 10% 50V
<u>DIODE</u>								
D1400	8-719-911-19	DIODE 1SS119			<u>TRIMMER</u>			
D1401	8-719-911-19	DIODE 1SS119			CV3	1-141-337-11	CAP, VAR, TRIMMER	
<u>IC</u>								
IC1400	8-759-135-80	IC UPC358C			CV4	1-141-337-11	CAP, VAR, TRIMMER	
<u>COIL</u>								
L1300	1-408-429-00	INDUCTOR			L1300	1-408-429-00	INDUCTOR	470UH
L1301	1-408-429-00	INDUCTOR			L1301	1-408-429-00	INDUCTOR	470UH
L1302	1-408-429-00	INDUCTOR			L1302	1-408-429-00	INDUCTOR	470UH
L1303	1-408-429-00	INDUCTOR			L1303	1-408-429-00	INDUCTOR	470UH

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The components identified by shading and mark  $\Delta$  are critical for safety.  
Replace only with part number specified.

Les composants identifiés par une trame et une marque  $\Delta$  sont critiques pour la sécurité.  
Ne les remplacer que par une pièce portant le numéro spécifié.

<u>Ref.No.</u>	<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
<u>TRANSISTOR</u>			
Q1300	8-729-178-54	TRANSISTOR 2SC2785	
Q1301	8-729-900-89	TRANSISTOR DTC144ES	
Q1302	8-729-178-54	TRANSISTOR 2SC2785	
Q1303	8-729-178-54	TRANSISTOR 2SC2785	
Q1304	8-729-178-54	TRANSISTOR 2SC2785	
Q1305	8-729-178-54	TRANSISTOR 2SC2785	
<u>RESISTOR</u>			
R1301	1-249-413-11	CARBON 470 5% 1/4W	
R1302	1-249-415-11	CARBON 680 5% 1/4W	
R1303	1-249-415-11	CARBON 680 5% 1/4W	
R1304	1-249-427-11	CARBON 6.8K 5% 1/4W	
R1305	1-249-413-11	CARBON 470 5% 1/4W	
R1306	1-249-413-11	CARBON 470 5% 1/4W	
R1308	1-249-417-11	CARBON 1K 5% 1/4W	
R1310	1-249-441-11	CARBON 100K 5% 1/4W	
R1311	1-249-441-11	CARBON 100K 5% 1/4W	
R1312	1-249-441-11	CARBON 100K 5% 1/4W	
R1313	1-249-441-11	CARBON 100K 5% 1/4W	
R1320	1-249-429-11	CARBON 10K 5% 1/4W	
R1321	1-249-429-11	CARBON 10K 5% 1/4W	
R1322	1-249-429-11	CARBON 10K 5% 1/4W	
R1323	1-249-429-11	CARBON 10K 5% 1/4W	
<u>CRYSTAL</u>			
X358	1-567-505-11	OSCILLATOR, CRYSTAL	
X443	1-567-504-11	OSCILLATOR, CRYSTAL	
<u>CONNECTOR</u>			
XA1	*1-565-483-11	CONNECTOR, BOARD TO BOARD 7P	
*****			
	*1-629-153-11	J BOARD	*****
*****			
<u>CONNECTOR</u>			
J1	*1-568-106-11	PIN, CONNECTOR 7P	
*****			
<u>MISCELLANEOUS</u>			
*****			
$\Delta$ .1-237-614-12	RESISTOR ASSY, HIGH-VOLTAGE		
$\Delta$ .1-426-375-11	COIL, DEMAGNETIZATION		
$\Delta$ .1-451-329-11	DEFLECTION YOKE (SY-222)		
1-452-032-00	MAGNET, DISK; 10MM $\phi$		
1-452-094-00	MAGNET, ROTATABLE DISK; 15MM $\phi$		
1-466-076-11	CONTROL UNIT (PVM-1342Q ONLY)		
1-466-076-21	CONTROL UNIT (PVM-1343MD ONLY)		
1-466-077-11	CONTROL UNIT (PVM-1341 ONLY)		
1-543-604-11	CORE, RING		
1-544-063-11	SPEAKER		
\$901 $\Delta$ .1-554-967-12	SWITCH, PUSH (AC POWER)(1 KEY)		
$\Delta$ .1-574-443-11	CORD, POWER (WITH NOISE FILTER) (PVM-1341/1342Q ONLY)		
$\Delta$ .1-574-445-11	CORD, POWER (MEDICAL INSTRUMENT) (PVM-1343MD ONLY)		
V901 $\Delta$ .8-734-822-05	PICTURE TUBE (M34KBE20X) (PVM-1342Q/1343MD ONLY)		
V901 $\Delta$ .8-736-255-05	PICTURE TUBE (A34JHS12X) (PVM-1341 ONLY)		

ACCESSORIES AND PACKING MATERIALS  
\*\*\*\*\*

<u>Part No.</u>	<u>Description</u>	<u>Remark</u>
3-786-761-21	MANUAL, INSTRUCTION	
*4-369-325-11	BAG, PROTECTION	
*4-391-866-01	CUSHION (UPPER) (ASSY)	
*4-391-867-01	CUSHION (LOWER) (ASSY)	
*4-391-882-01	INDIVIDUAL CARTON (PVM-1342Q ONLY)	
*4-391-884-01	INDIVIDUAL CARTON (PVM-1341 ONLY)	
*4-391-885-01	INDIVIDUAL CARTON (PVM-1343MD ONLY)	

9-964-201-01

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B&I Systems Company

English  
94HG02005-5  
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# PVM-1341/1342Q/1343MD

**SONY<sup>®</sup>**  
**SERVICE MANUAL**

*US Model*  
*Canadian Model*

## SUPPLEMENT-1

File this Supplement with the Service Manual.

### INTRODUCTION

A and W boards modification

 : Indicate modification portion

PVM-1341

*Serial No. 2,002,701 and later*  
*Chassis No. SCC-C27A-A*

PVM-1342Q

*Serial No. 2,004,201 and later*  
*Chassis No. SCC-C25A-A*

PVM-1343MD

*Serial No. 2,001,451 and later*  
*Chassis No. SCC-C28A-A*



MICROFILM

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# PVM-1341/1342Q/1343MD

**SONY®**  
**SERVICE MANUAL**

*US Model*  
*Canadian Model*

**PVM-1341**

*Serial No. 2,003,501 and later*  
*Chassis No. SCC-C27A-A*  
*PVM-1342Q*

*Serial No. 2,008,101 and later*  
*Chassis No. SCC-C25A-A*  
*PVM-1343MD*

*Serial No. 2,002,951 and later*  
*Chassis No. SCC-C28A-A*

## SUPPLEMENT-2

File this Supplement with the Service Manual.

### INTRODUCTION

F board modification

: Indicates modification portion

### SECTION 7 EXPLODED VIEWS

#### 7-1. CHASSIS

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No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	*3-704-372-01	HOLDER, HV CABLE		11	*1-629-148-11	V BOARD	
2	1-237-614-12	RESISTOR ASSY, HIGH-VOLTAGE		13	*A-1130-734-A	BB BOARD, COMPLETE (PVM-1341 ONLY)	
3	*4-391-842-01	BRACKET, HVR		14	*A-1135-532-A	BA BOARD, COMPLETE	10,11,20 (PVM-1342Q/1343MD ONLY)
4	X-4391-805-1	CABINET ASSY, BOTTOM		15	*A-1270-249-A	QC BOARD, COMPLETE	
5	*A-1245-494-A	F BOARD, COMPLETE (PVM-1341/1342Q ONLY)		16	*A-1270-248-A	QD BOARD, COMPLETE	
	*A-1245-495-A	F BOARD, COMPLETE (PVM-1343MD ONLY)		17	*A-1270-247-A	QC BOARD, COMPLETE	
6	*A-1296-616-A	A BOARD, COMPLETE	8,9	18	4-391-843-12	PLATE, TERMINAL	
7	1-439-395-12	TRANSFORMER ASSY, FLYBACK		19	*3-682-419-01	HOLDER, P.C.B.	
8	*1-629-149-12	W BOARD		20	*A-1330-913-A	C BOARD, COMPLETE	
9	*1-629-151-11	XA BOARD		21	*4-391-835-01	PLATE (C) SHIELD	
10	*1-629-150-11	Y BOARD (PVM-1342Q/1343MD ONLY)					

#### 7-2. PICTURE TUBE

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No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
52	1-466-076-11	CONTROL UNIT (PVM-1342Q ONLY)		67	*4-374-912-01	COVER (MAIN), CV VOL.	
	1-466-076-21	CONTROL UNIT (PVM-1343MD ONLY)		68	*4-374-913-01	COVER (REAR LID), CV VOL.	
	1-466-077-11	CONTROL UNIT (PVM-1341 ONLY)		69	1-426-442-21	COIL, DEMAGNETIZATION	
53	1-544-063-11	SPEAKER		70	4-365-808-01	SCREW (5), TAPPING	
54	4-374-839-11	BUTTON (A)		71	4-391-833-01	CLOTH, PROTECTION	
55	4-391-824-01	JOINT		72	4-391-839-01	COVER, REAR	
56	1-554-967-12	SWITCH, PUSH (AC POWER)(1 KEY)		73	X-4391-810-1	COVER ASSY, TOP (PVM-1341/1342Q ONLY)	
57	*4-391-820-01	COVER, AC SWITCH		74	X-4391-810-2	COVER ASSY, TOP (PVM-1343MD ONLY)	
58	X-4391-804-1	BEZEL ASSY (PVM-1342Q ONLY)		75	*4-364-726-01	BUSHING, AC CORD (PVM-1343MD ONLY)	
	X-4391-804-2	BEZEL ASSY (PVM-1341 ONLY)			*4-371-185-02	BUSHING, AC CORD (PVM-1341/1342Q ONLY)	
	X-4391-804-3	BEZEL ASSY (PVM-1343MD ONLY)		76	1-574-421-11	CORD, POWER (PVM-1341/1342Q ONLY)	
59	1-8-734-821-05	PICTURE TUBE (M34KBE20X) (PVM-1342Q/1343MD ONLY)			1-574-445-11	CORD, POWER (MEDICAL INSTRUMENT) (PVM-1343MD ONLY)	
	1-8-736-254-05	PICTURE TUBE (A34JHS10X) (PVM-1341 ONLY)		77	4-308-870-00	CLIP, LEAD WIRE	
60	3-703-961-01	SPACER, DY		78	1-452-032-00	MAGNET, DISK; 10MM Ø	
61	1-451-329-11	DEFLECTION YOKE (SY-222)		79	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø	
62	*4-382-050-01	BAND, C PC BOARD		80	X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
64	*A-1330-913-A	C BOARD, COMPLETE		82	*1-629-153-11	J BOARD	
				83	1-543-604-11	CORE, RING	
				84	4-847-802-11	SCREW (OS), CASE, CLAW	



## SECTION 8 ELECTRICAL PARTS LIST

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\*A-1245-494-A F BOARD, COMPLETE (PVM-1341/1342Q ONLY)

\*\*\*\*\*

\*A-1245-495-A F BOARD, COMPLETE (PVM-1343MD ONLY)

\*\*\*\*\*

\*4-341-751-01 EYELET

\*4-341-752-01 EYELET

4-363-414-00 SPACER, MICA

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### THERMISTOR

TH611 1-800-954-11 THERMISTOR S-3K

THP601A 1-808-059-21 THERMISTOR, POSITIVE

\*\*\*\*\*

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### MISCELLANEOUS

\*\*\*\*\*

A 1-237-614-12 RESISTOR ASSY, HIGH-VOLTAGE

A 1-426-375-11 COIL, DEMAGNETIZATION

A 1-451-329-11 DEFLECTION YOKE (SY-222)

1-452-032-00 MAGNET, DISK; 10MM Ø

1-452-094-00 MAGNET, ROTATABLE DISK; 15MM Ø

1-466-076-11 CONTROL UNIT (PVM-1342Q ONLY)

1-466-076-21 CONTROL UNIT (PVM-1343MD ONLY)

1-466-077-11 CONTROL UNIT (PVM-1341 ONLY)

1-543-604-11 CORE, RING

1-544-063-11 SPEAKER

S901 A 1-554-967-12 SWITCH, PUSH (AC POWER)(1 KEY)

A 1-574-443-11 CORD, POWER (WITH NOISE FILTER)

(PVM-1341/1342Q ONLY)

A 1-574-445-11 CORD, POWER (MEDICAL INSTRUMENT)

(PVM-1343MD ONLY)

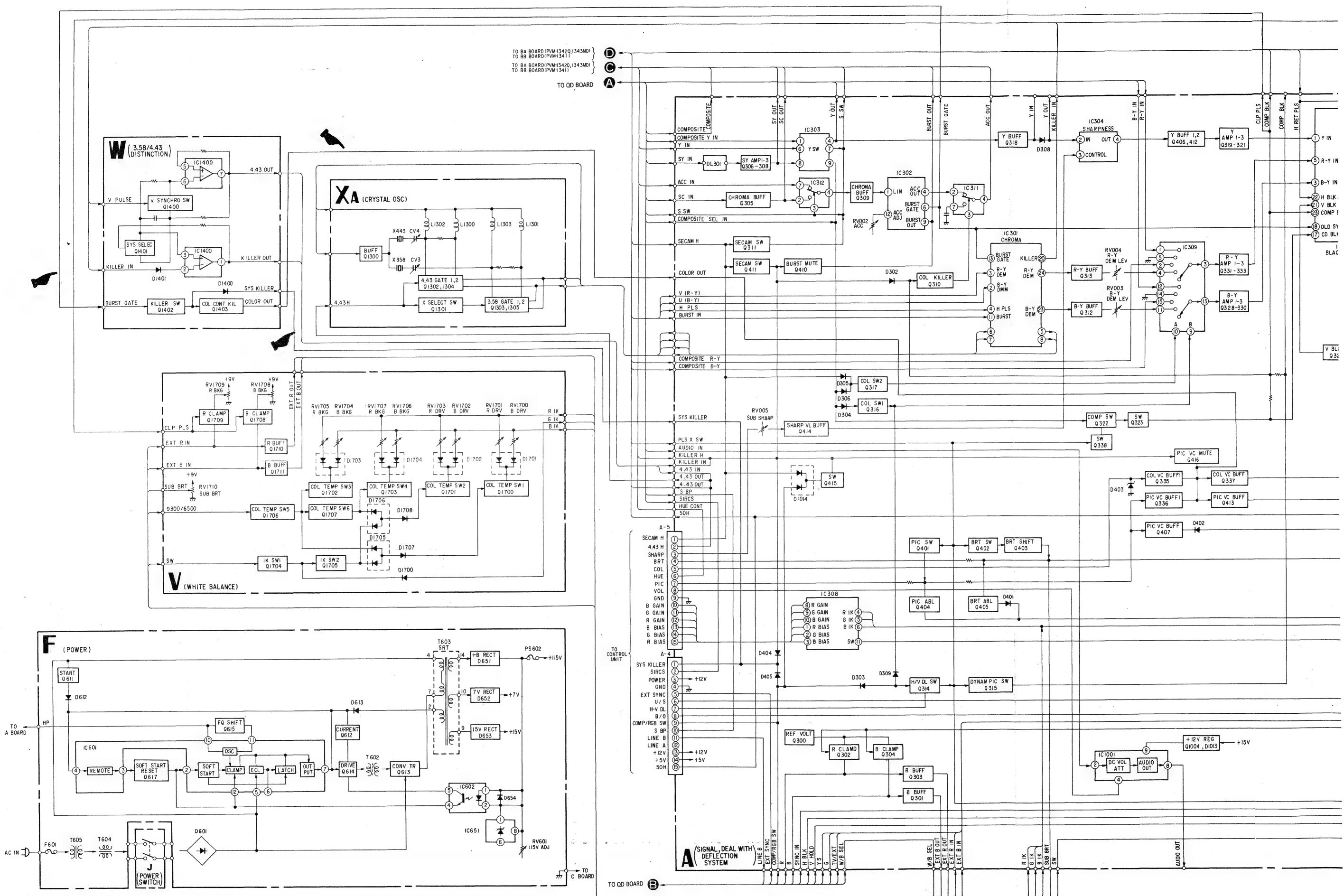
V901A 8-734-821-05 PICTURE TUBE (M34KBE20X)

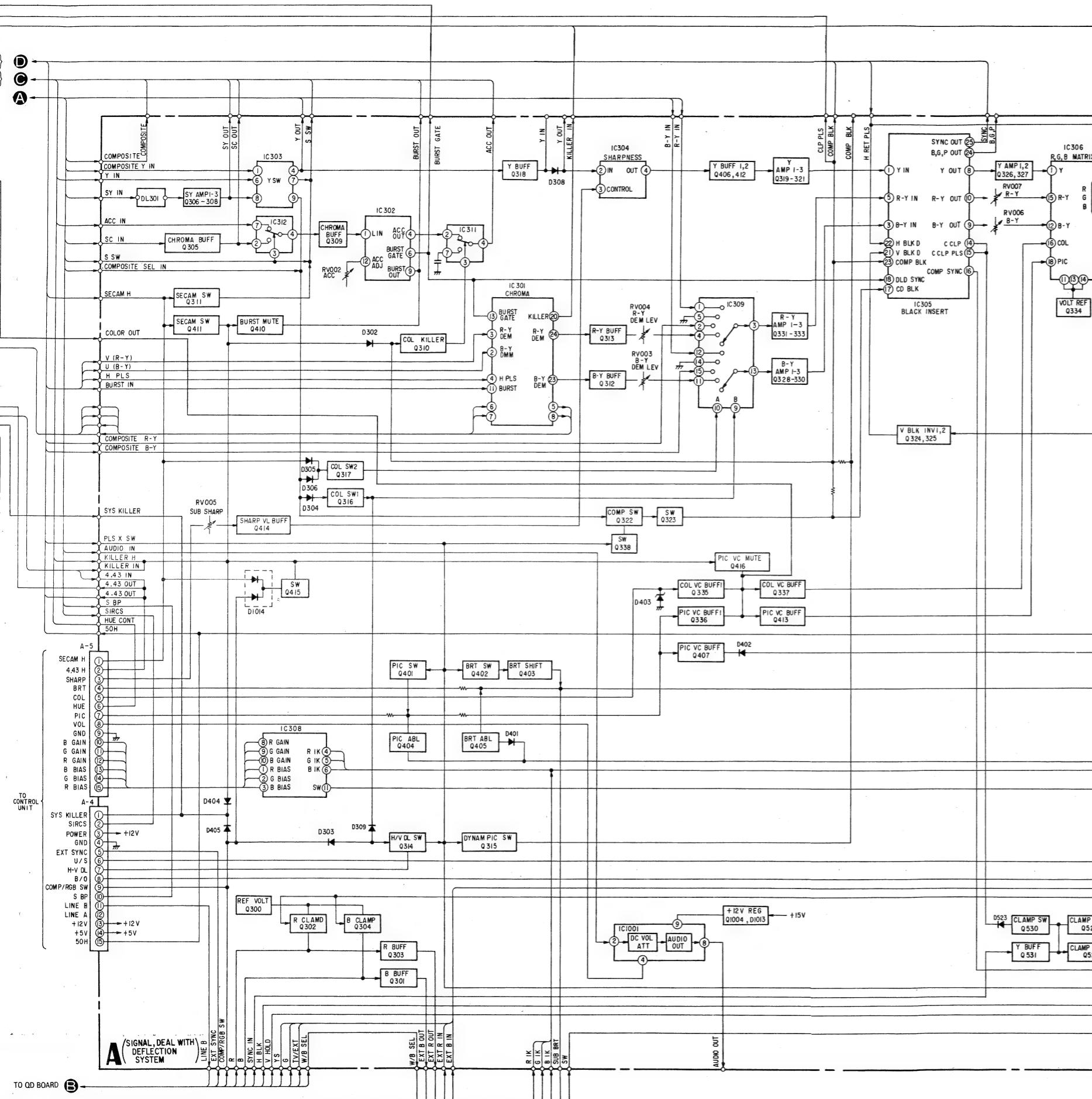
(PVM-1342Q/1343MD ONLY)

V901A 8-736-254-05 PICTURE TUBE (A34JHS10X) (PVM-1341 ONLY)

# PVM-1341/1342Q/1343MD PVM-1341/1342Q/1343MD

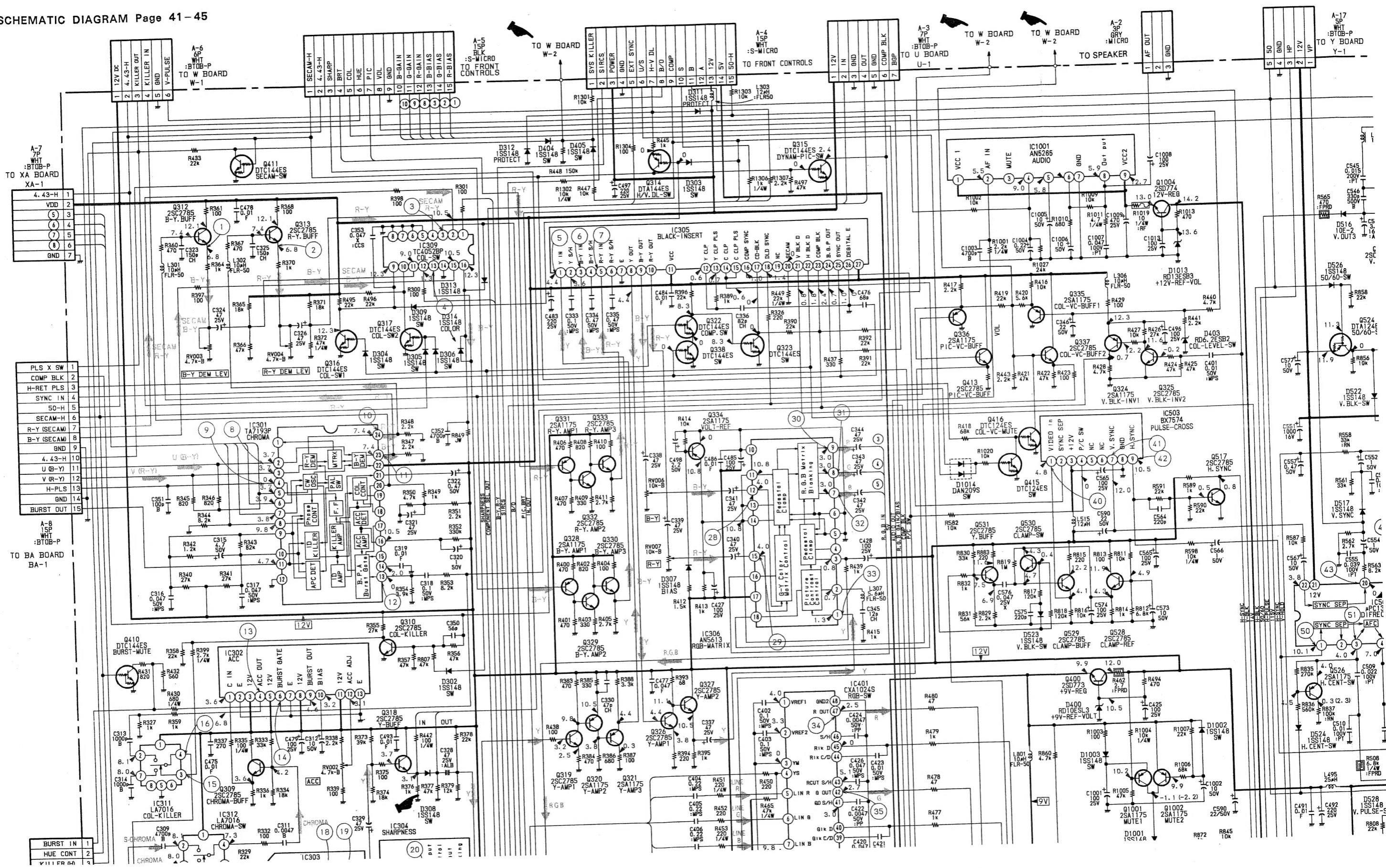
6.2. BLOCK DIAGRAMS Page 31-32



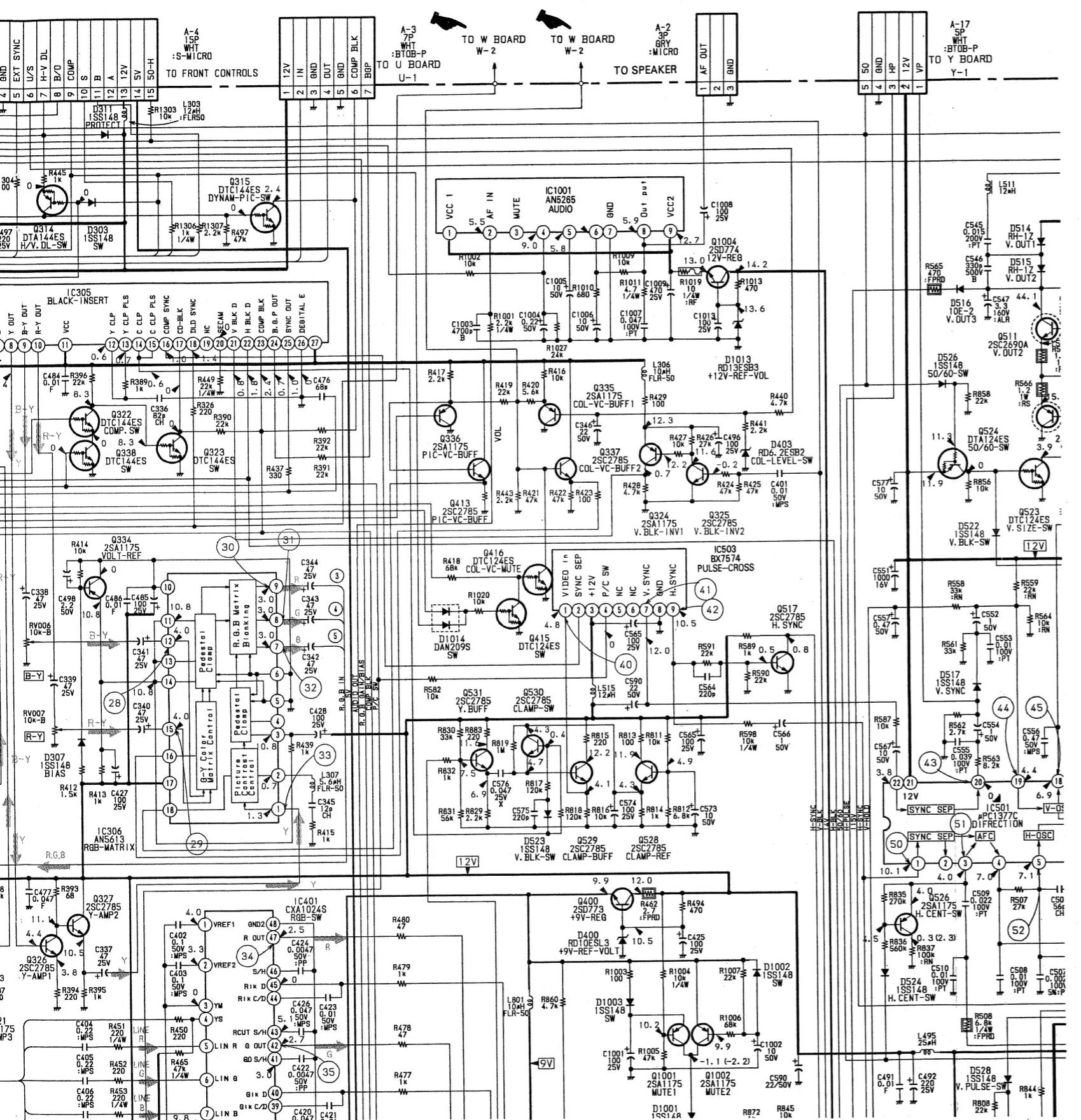


PVM-1341/1342Q/1343MD

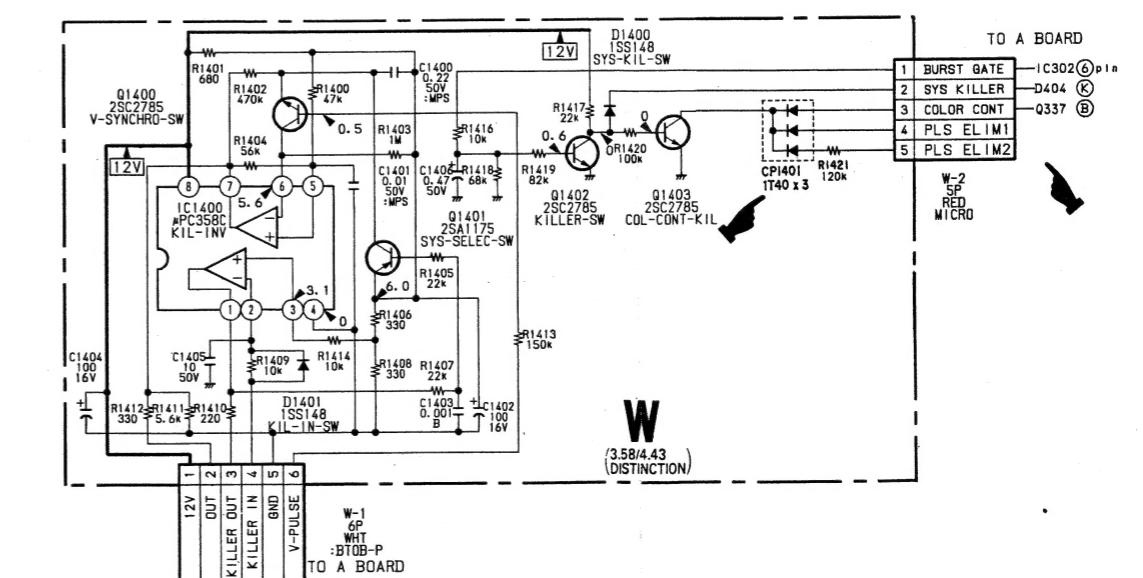
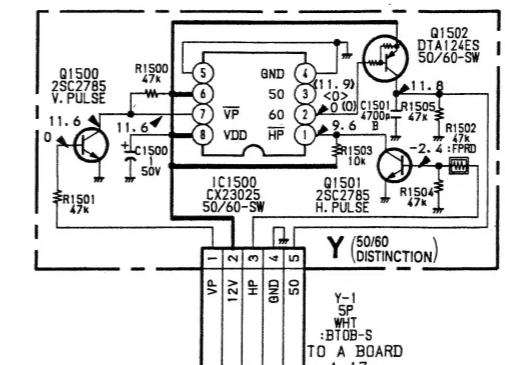
## 6-5. SCHEMATIC DIAGRAM Page 41-45



**PVM-1341/1342Q/1343MD**      **PVM-1341/1342Q/1343MD**



(Y Board: PVM-1342Q, PVM-1343MD Only)



**PVM-1341/1342Q/1343MD**    **PVM-1341/1342Q/1343MD**

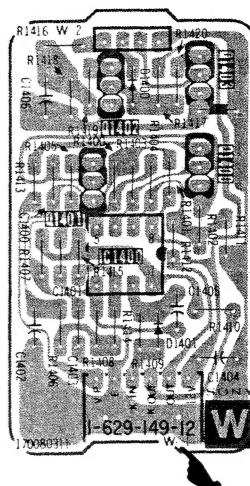
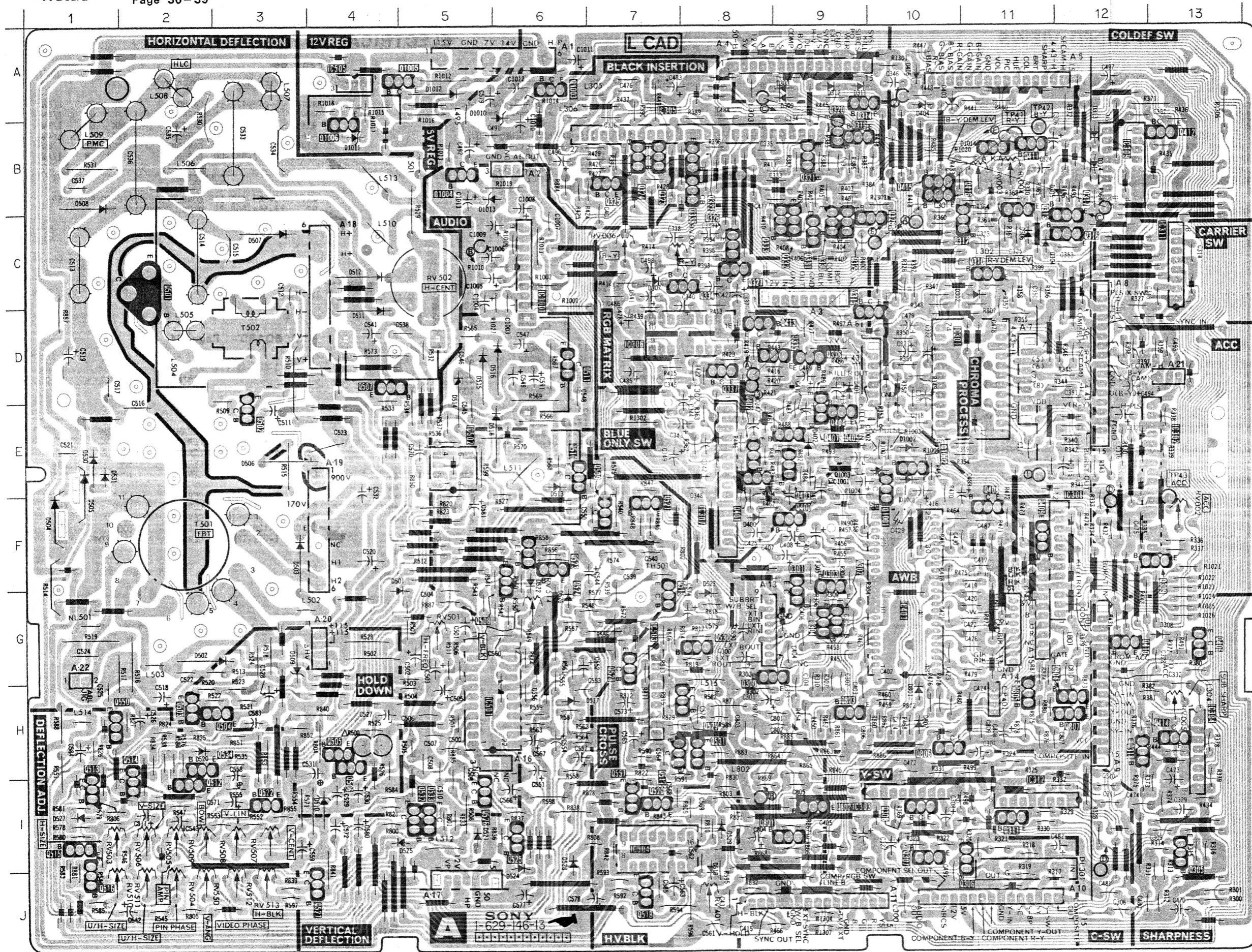
**6-3. PRINTED WIRING BOARDS — Conductor Side —** **A** [SIGNAL PROCESS, DEFLECTION SYSTEM]  
— A Board — Page 36-39

A

[SIGNAL PROCESS, DEFLECTION SYSTEM]

**W** [3.58/4.43  
DISTINCTION]

— W Board —



## SECTION 7 EXPLODED VIEWS

## 7-1. CHASSIS

Page 65

No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
1	*3-704-372-01	HOLDER, HV CABLE		11	*1-629-148-11	V BOARD	
2 A	1-237-614-12	RESISTOR ASSY, HIGH-VOLTAGE		13	*A-1130-734-A	BB BOARD, COMPLETE (PVM-1341 ONLY)	
3	*4-391-842-01	BRACKET, HVR		14	*A-1135-532-A	BA BOARD, COMPLETE	10, 11, 20
4	X-4391-805-1	CABINET ASSY, BOTTOM				(PVM-1342Q/1343MD ONLY)	
5	*A-1245-446-A	F BOARD, COMPLETE (PVM-1341/1342Q ONLY)		15	*A-1270-249-A	QE BOARD, COMPLETE	
	*A-1245-455-A	F BOARD, COMPLETE (PVM-1343MD ONLY)		16	*A-1270-248-A	QD BOARD, COMPLETE	
6	*A-1291-616-A	A BOARD, COMPLETE	8, 9	17	*A-1270-247-A	QC BOARD, COMPLETE	
7 A	1-439-395-12	TRANSFORMER ASSY, FLYBACK		18	4-391-843-12	PLATE, TERMINAL	
8	*1-629-149-12	W BOARD		19	*3-682-419-01	HOLDER, P.C.B	
9	*1-629-151-11	XA BOARD		20	*A-1330-913-A	C BOARD, COMPLETE	
10	*1-629-150-11	Y BOARD (PVM-1342Q/1343MD ONLY)		21	*4-391-835-01	PLATE (C) SHIELD	

## 7-2. PICTURE TUBE

Page 66

No.	Part No.	Description	Remark	No.	Part No.	Description	Remark
52	1-466-076-11	CONTROL UNIT (PVM-1342Q ONLY)		67	*4-374-912-01	COVER (MAIN), CV VOL	
	1-466-076-21	CONTROL UNIT (PVM-1343MD ONLY)		68	*4-374-913-01	COVER (REAR LID), CV VOL	
	1-466-077-11	CONTROL UNIT (PVM-1341 ONLY)		69 A	1-426-375-11	COIL, DEMAGNETIZATION	
53	1-544-063-11	SPEAKER		70	4-365-808-01	SCREW (5), TAPPING	
54	4-374-839-11	BUTTON (A)		71	4-391-833-01	CLOTH, PROTECTION	
55	4-391-824-01	JOINT		72	4-391-839-01	COVER, REAR	
56 A	1-554-967-12	SWITCH, PUSH (AC POWER)(1 KEY)		73	X-4391-810-1	COVER ASSY, TOP (PVM-1341/1342Q ONLY)	
57	*4-391-820-01	COVER, AC SWITCH		74	X-4391-810-2	COVER ASSY, TOP (PVM-1343MD ONLY)	
58	X-4391-804-1	BEZEL ASSY (PVM-1342Q ONLY)		75 A	*4-364-726-01	BUSHING, AC CORD (PVM-1343MD ONLY)	
	X-4391-804-2	BEZEL ASSY (PVM-1341 ONLY)		76 A	*4-371-185-02	BUSHING, AC CORD (PVM-1341/1342Q ONLY)	
	X-4391-804-3	BEZEL ASSY (PVM-1343MD ONLY)		77	4-308-870-00	CORD, POWER (PVM-1341/1342Q ONLY)	
59 A	8-734-822-05	PICTURE TUBE (M34KBE20X) (PVM-1342Q/1343MD ONLY)		78	1-452-032-00	MAGNET, DISK; 10MM Ø	
	A-8-736-255-05	PICTURE TUBE (A34JHS12X) (PVM-1341 ONLY)		79	1-452-094-00	MAGNET, ROTATABLE DISK; 15MM Ø	
60	3-703-961-01	SPACER, DY		80	X-4309-608-0	PERMALLOY ASSY, CONVERGENCE	
61 A	1-451-329-11	DEFLECTION YOKE (SY-222)		82	*1-629-153-11	J BOARD	
62	*4-382-050-01	BAND, C PC BOARD		83	1-543-604-11	CORE, RING	
64	*A-1330-913-A	C BOARD, COMPLETE		84	4-847-802-11	SCREW (OS), CASE, CLAW	

## SECTION 8 ELECTRICAL PARTS LIST

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- A BOARD - Page 77

Ref.No.	Part No.	Description
	*A-1291-616-A	A BOARD, COMPLETE
		*****
	*4-329-153-00	HEAT SINK, V OUT
	*4-341-751-01	EYELET
	*4-363-404-00	HOLDER, IC
	4-363-414-00	SPACER, MICA

Ref.No.	Part No.	Description	Remark
R1416	1-249-429-11	CARBON	10K 5% 1/4W
R1417	1-249-433-11	CARBON	22K 5% 1/4W
R1418	1-249-439-11	CARBON	68K 5% 1/4W
R1419	1-249-440-11	CARBON	82K 5% 1/4W
R1420	1-249-441-11	CARBON	100K 5% 1/4W
R1421	1-247-881-00	CARBON	120K 5% 1/4W
		CONNECTOR	
W1	*1-565-482-11	CONNECTOR, BOARD TO BOARD 6P	
W2	*1-564-508-31	PLUG, CONNECTOR 5P	

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Ref.No.	Part No.	Description	Remark
R361	1-249-405-11	CARBON	100 5% 1/4W
R362	1-249-410-11	CARBON	270 5% 1/4W
R363	1-249-432-11	CARBON	18K 5% 1/4W
R364	1-249-417-11	CARBON	1K 5% 1/4W
R365	1-249-432-11	CARBON	18K 5% 1/4W
R366	1-249-437-11	CARBON	47K 5% 1/4W
R367	1-249-413-11	CARBON	470 5% 1/4W
R368	1-249-405-11	CARBON	100 5% 1/4W
R369	1-249-405-11	CARBON	100 5% 1/4W
R370	1-249-417-11	CARBON	1K 5% 1/4W
R371	1-249-432-11	CARBON	18K 5% 1/4W
R372	1-249-465-11	CARBON	47K 5% 1/4W
R373	1-249-436-11	CARBON	39K 5% 1/4W
R374	1-249-432-11	CARBON	18K 5% 1/4W
R375	1-249-405-11	CARBON	100 5% 1/4W
R376	1-249-417-11	CARBON	1K 5% 1/4W
R377	1-249-437-11	CARBON	47K 5% 1/4W
R378	1-249-433-11	CARBON	22K 5% 1/4W
R379	1-249-430-11	CARBON	12K 5% 1/4W
R380	1-249-405-11	CARBON	100 5% 1/4W

- XA BOARD - Page 84

*1-629-151-11	XA BOARD	*****
C1300	1-101-005-00	CERAMIC
C1301	1-101-888-00	CERAMIC
C1302	1-101-884-00	CERAMIC
C1303	1-102-942-00	CERAMIC
C1304	1-102-947-00	CERAMIC
C1305	1-102-947-00	CERAMIC
C1306	1-102-951-00	CERAMIC
C1307	1-102-951-00	CERAMIC
C1308	1-126-101-11	ELECT
C1309	1-102-125-00	CERAMIC

- W BOARD - Page 84

\*1-629-149-12 W BOARD  
\*\*\*\*\*

## CAPACITOR

C1400	1-136-169-00	FILM	0.22MF	5%	50V
C1401	1-136-153-00	FILM	0.01MF	5%	50V
C1402	1-126-101-11	ELECT	100MF	20%	16V
C1403	1-102-074-00	CERAMIC	0.001MF	10%	50V
C1404	1-126-101-11	ELECT	100MF	20%	16V
C1405	1-123-875-11	ELECT	10MF	20%	50V
C1406	1-124-902-00	ELECT	0.47MF	20%	50V

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